

Microsoft Windows XP Media Center Edition 2005 Software Guide



The only warranties for Hewlett-Packard products and services are set forth in the express warranty statements accompanying such products and services. Nothing herein should be construed as constituting an additional warranty. HP shall not be liable for technical or editorial errors or omissions contained herein.

HP assumes no responsibility for the use or reliability of its software on equipment that is not furnished by HP.

This document contains proprietary information that is protected by copyright. No part of this document may be photocopied, reproduced, or translated to another language without the prior written consent of HP.

Hewlett-Packard Company
P.O. Box 4010
Cupertino, CA 95015-4010
USA

Copyright © 2005 Hewlett-Packard Development Company, L.P.

This product incorporates copyright protection technology that is protected by method claims of certain U.S. patents and other intellectual property rights owned by Macrovision Corporation and other rights owners. Use of this copyright protection technology must be authorized by Macrovision Corporation, and is intended for home and other limited viewing uses only unless otherwise authorized by Macrovision Corporation. Reverse engineering or disassembly is prohibited. Apparatus Claims of U.S. Patent Nos. 4,631,603, 4,577,216, 4,819,098, and 4,907,093 licensed for limited viewing uses only.

Microsoft and Windows are U.S. registered trademarks of Microsoft Corporation.

Apple, iTunes, FireWire, the FireWire symbol, and iPod are trademarks of Apple Computer, Inc., registered in the U.S. and other countries/regions.

HP supports lawful use of technology and does not endorse or encourage the use of our products for purposes other than those permitted by copyright law.

The information in this document is subject to change without notice.

Table of Contents

Welcome..... 1

Experience the Entertainment Fun	1
Watch and record live TV	1
The right music for the moment	1
Share your digital memories	1
Transform your living space into a theater.....	1
Using Media Center Features	2

Using Media Center.....3

Setting Up Media Center	3
Completing the setup wizard steps.....	3
Media Center Start Menu	5
Online Spotlight	6
Navigating Media Center.....	6
Media Center menu bars	7
Media Center control menu.....	7
Using Instant Messaging in Media Center.....	8
Logging in to your messenger account.....	8
Changing Media Center Settings.....	9
Media Center Settings categories	9
Changing audio, video, display resolution, and other settings	10
Changing the display resolution	11
Contacting HP Support in Media Center.....	11
Finding Additional Media Center Information.....	12

Using the Remote Control..... 13

Remote Control Buttons Overview	14
Teletext access buttons	16

Watching and Recording TV Programs..... 17

Navigating My TV	17
Watching TV.....	18
Watching Live TV	19
Controlling TV playback	20
Using the remote control in My TV	21

Using the Television Program Guide.....	22
Using Media Center without a Guide	22
Television Program Guide Errors	23
Viewing the Television Program Guide	24
Setting up how Media Center downloads the Guide	25
Manually downloading the Guide.....	26
Adding a postal code to receive the correct Guide.....	26
Adding missing channels to the Guide.....	26
Editing channels in the Guide.....	27
Removing channels from the Guide	27
Searching for TV Programs	28
Searching for TV programs using categories	29
Recording TV Programs	30
Recording TV from the Guide	31
Recording programs manually with or without a Guide	31
Recording quality and hard disk drive storage space.....	33
Copying recorded TV programs to DVD or CD ...	33
Playing Recorded TV Programs.....	34

Playing Music Files 35

HP Tunes	35
My Music	36
Using HP Tunes with Media Center	36
Completing the iTunes setup wizard	37
Delays with HP Tunes	37
Selecting a default audio player	38
Adding Music to the iTunes Library	38
Adding music files from a CD in iTunes.....	39
Adding music files from the Internet.....	39
Adding music files from your hard disk drive	40
Using supported music file types	40
Changing song name, genre, artist, or album in iTunes	40
Playing CDs with HP Tunes	41

Creating a Playlist with iTunes.....	41
Creating and Editing a Queue List with HP Tunes	42
Creating Music CDs with iTunes	42
Using My Music with Media Center	43
Adding Music to My Music Library	44
Adding music files from your hard disk drive.....	44
Adding music files from a CD.....	45
Deleting music files from the My Music library....	46
Using supported music file types	46
Playing Music Files in My Music.....	47
Playing an album in My Music	48
Playing a song in My Music.....	48
Creating a Queue List in My Music.....	49
Finding and Playing an Album in My Music.....	49
Creating a Playlist in My Music	50
Copying Music Files to CD in My Music	51

Working with Pictures 53

HP Image Zone Plus.....	53
My Pictures.....	53
Working with Digital Images	54
Using HP Image Zone Plus in Media Center.....	54
Creating your picture catalog in HP Image Zone Plus.....	55
Creating albums	57
Modifying a date assigned to your pictures.....	57
Assigning a keyword to your pictures.....	58
Assigning a place to your pictures	58
Searching for pictures in HP Image Zone Plus.....	59
Viewing Pictures in HP Image Zone Plus	60
Viewing a slide show in HP Image Zone Plus.....	60
Viewing a slide show with music in HP Image Zone Plus.....	60
Editing Pictures in HP Image Zone Plus	61
Using supported picture file types with HP Image Zone Plus	61
Printing Pictures in HP Image Zone Plus	62
Creating a Backup Disc of Your Pictures	63

Burning a Label on a LightScribe Media Disc	63
Creating a simple backup disc label with HP Image Zone Plus	64
Creating a customized disc label with HP Image Zone Plus	64
Using My Pictures in Media Center	65
Adding Pictures to My Pictures	66
Adding picture files from your hard disk drive	66
Viewing Pictures in My Pictures	67
Viewing pictures as a slide show	68
Viewing a slide show with music in My Pictures.....	68
Using supported picture file types in My Pictures	69
Editing Pictures in My Pictures	70
Fixing red eye or contrast	70
Cropping pictures in My Pictures	70
Rotating pictures	71
Printing Pictures in My Pictures	71
Copying Pictures to CDs and DVDs	72

Playing Videos.....73

Playing Digital Videos in Media Center	74
Using Supported Video File Types.....	75
Transferring and Recording Video Files	75
Creating a CD/DVD from Video Files.....	76

Playing DVDs.....77

Playing DVD Movies in Media Center	77
Changing the DVD Movie Language.....	78
Changing DVD Audio Settings	78

Listening to FM Radio.....79

Playing FM Radio Stations	80
Organizing Pre-set Radio Stations.....	81
Using the FM Radio and the TV Signal at the Same Time	81

Creating (Burning) CDs and DVDs83

Creating (Burning) CDs and DVDs with RecordNow!	83
Verifying disc recorded without errors	84
Erasing rewritable discs before recording	84
Creating music CDs with RecordNow!.....	84
Creating CDs to play in your car or home CD players.....	85
Creating CDs to play on your HP Digital Entertainment Center	85
Creating a music CD.....	86
Storing Files on a DVD or CD.....	87
Storing data files on disc	88
Copying a DVD or CD	88
Archiving Files on a CD or DVD	89
Creating an Image File.....	90
Saving an Image	90
Burning an Image	90
Recording Video Files	91
Using Disc Labels	91
Disc Labeling with LightScribe	92
LightScribe requirements	92
Burning a label on a LightScribe media disc.....	92
Burning a label with Sonic Express Labeler	93
Creating a LightScribe label after burning a disc with iTunes	94
Using Compatibility Information	95
Identifying Disc Feature and Compatibility	96
Using the Optical Drive	
Quick Reference Table	97
Using the Software Quick Reference Table.....	98

Creating Movies Using WinDVD Creator101

Using WinDVD Creator	101
Getting started	102
Identifying requirements for capturing video.....	102
Capturing digital camcorder video	103
Capturing Web camera video.....	103

Capturing analog video.....	104
Capturing a still image	104
Using the Preview window	104
Using the Media Library	105
Using the Storyboard.....	105
Editing video files	105
Adding images.....	106
Adding audio effects	107
Adding transition effects	107
Adding title effects	107
Adding video filters.....	108
Authoring your DVD	108
Making a movie	108
Recording VHS files direct to DVD.....	110
Converting recorded TV to MPEG-2 format.....	110

Creating Movies Using muvee autoProducer 111

Using muvee autoProducer	111
Getting started.....	112
Capturing video from a DV camcorder	112
Capturing live video from a DV camcorder	113
Capturing recorded video from a DV camcorder.....	113
Selecting videos and pictures	114
Selecting music.....	114
Setting the style.....	115
Adding captions	116
Making the movie	116
Previewing your movie	117
Saving the movie project.....	117
Selecting video scenes with magicMoments.....	118
Using magicMoments to select video scenes.....	118
Recording a muvee autoProducer movie to disc with WinDVD Creator	119

Using an HP Personal Media Drive 121

Setting Up the HP Personal Media Drive to Work with Media Center.....	122
Locating the Drive After Installation	122
Assigning a Drive Letter to the HP Personal Media Drive.....	123
Viewing and Storing Files.....	123
Playing Media Files	124
Playing Music Files	124
Viewing Picture Files	124
Playing Video Files	125
Watching TV Programs Stored on the HP Personal Media Drive.....	125
About Recording TV to the HP Personal Media Drive.....	126
Recording TV programs to the HP Personal Media Drive.....	127
Changing the TV recording path to the HP Personal Media Drive.....	127
Changing the TV recording path to the local hard disk drive	128
Disconnecting the HP Personal Media Drive Safely	128
Changing Disk Allocation.....	129
Updating Recorded TV List after Removing the HP Personal Media Drive.....	129
System Requirements to View Recorded TV Programs on Other PCs	130

Index 131

Welcome

Experience the Entertainment Fun

Microsoft® Windows® XP Media Center Edition 2005 lets you do amazing things with your HP Digital Entertainment Center. With a full range of easy-to-use digital entertainment features, you can experience TV, movies, music, and photos like never before.

Media Center is simple and easy to use. You can easily find and choose your media. You can play movies, listen to music, view photos, and watch TV with a single remote control. Combine the powerful features of your HP Digital Entertainment Center with a home theater receiver to enjoy an even more dynamic entertainment experience.



Watch and record live TV

With Media Center you can pause, advance frame by frame, skip ahead, or use instant replay to catch every moment of live TV. Use fast-forward to bypass unwanted content. When you are not able to watch your favorite show, you can use Media Center to record it.

Record TV with ease by using the Television Program Guide to select the shows you want to record. You can record one show or an entire series and watch it when it is convenient for you. You will never miss a moment of your favorite shows.

The right music for the moment

Browse your entire music library by artist, genre, and song. Select a playlist or a single album, or do a random shuffle from your music collection. You can even play songs from your iTunes music Library.

Share your digital memories

Create personalized slide shows with music for viewing on your TV. Easily edit and create professional-looking home videos from the comfort of your couch with the remote control.

Transform your living space into a theater

Whether you are watching a DVD movie or your own home videos, Media Center delivers a rich viewing experience with a high-quality digital sound system. Sit back and enjoy the show.

Using Media Center Features

You can control the Media Center functions and navigate Media Center windows by using the remote control, the keyboard, or the trackball. You can easily switch back and forth between them by moving the trackball or by pressing a button on the remote control or the keyboard.



If your HP Digital Entertainment Center came with a rewritable DVD drive, the drive is able to read and record to both DVD+R/RW and DVD-R/RW media.

You can run Media Center side-by-side with other Windows software programs. It's possible to browse through your pictures, watch videos, play music, and even record TV while using other Windows programs.



Some of the Media Center features listed are for select models only.

Some of the components listed in the HP Digital Entertainment Center documentation, such as speakers, are optional and sold separately.

When using the remote control and the Media Center program, you can:

- Watch, record, and play back television programs on any TV in the house.
- Pause, rewind, and fast-forward TV programs.
- Watch an instant replay.
- Play back your digital videos.
- View your digital pictures or play them as a slide show with music. Easily print your photos.
- Browse, select, and play music CD files with full-screen visualizations.
- Record CD tracks to your media library.
- Play DVD movies. Resume playing your DVDs where you left off.
- Listen to FM radio stations.
- Access streaming music and video subscription services. Some music and video subscription services may not be available in all countries/regions.
- Record your TV shows automatically while you are doing something else.
- Open specific windows in Media Center by using the shortcut buttons on the remote control.
- Communicate with your friends and family by using instant messaging. Instant messaging may not be supported in all countries/regions.
- Enjoy Media Center remotely (select models only).
- Easily back up your media files to CD, DVD, or another hard disk drive such as the HP Personal Media Drive.



The Television Program Guide may not be available in all countries/regions.

Using Media Center

Setting Up Media Center




For the latest information about setting up your HP Digital Entertainment Center, refer to the *setup poster*.

The first time you start your HP Digital Entertainment Center, a Media Center setup wizard opens. It is recommended to complete each step in the Media Center setup wizard to be able to use all the features in Media

Center. The Media Center setup wizard may take approximately 10 to 40 minutes to complete. If there are steps you still need to complete, you can go to the Settings menu by following the procedure below.

Completing the setup wizard steps

- 1 Press the Media Center Start button  on the remote control.
- 2 Select **Settings**. You may need to use the arrow buttons on the remote control to scroll down to see all the menu items.
- 3 Select **General, Media Center Setup**, and then select **Run Media Center Setup Again**. Follow the onscreen instructions to complete the wizard.



Listed below are some of the items included in the setup wizard:

- **Check for your Internet connection.** An Internet connection allows Media Center to download and update your Television Program Guide and display information about your music CDs and other media.



You must subscribe with an Internet Service Provider (ISP) to have an Internet connection.

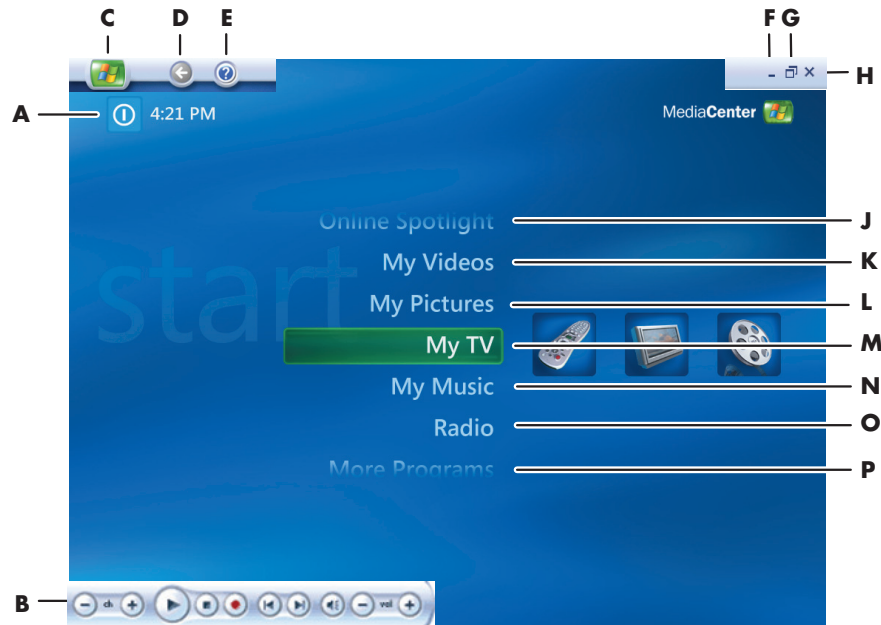
- **Configure your TV tuner, TV signal source, and Television Program Guide.** You need to provide information about your TV signal source and your TV signal equipment (set-top box, cables, and so on). This step makes sure your HP Digital Entertainment Center receives the correct TV signal and Television Program Guide information. If you have a cable box or satellite receiver, the setup wizard programs your remote control to work with them.



You can change your Media Center settings in the Settings menu.

- **Optimize how Media Center looks on your display.** You can change display settings such as brightness, contrast, RGB color, and centering.
- **Set up your speakers.** Select how many speakers you have and test them.

Media Center Start Menu



- A** Access a menu to exit Media Center, to shut down or to restart the HP Digital Entertainment Center, to log off to end your Media Center session, to put the HP Digital Entertainment Center into standby mode, or to switch users
- B** Use media playback controls: Play, Stop, Pause, Skip, Fast-Forward, Replay, Rewind, Record, Volume Up/Down, and Channel Up/Down
- C** Open the Media Center Start menu
- D** Go back one screen
- E** Open the Media Center Help
- F** Minimize the Media Center window
- G** Resize the Media Center window
- H** Close the Media Center window
- J** Go to the Media Center Web site for the latest Media Center information
- K** Watch your home videos
- L** View digital pictures or play a slide show; print photos
- M** Watch, record, and play back TV programs
- N** Play music files or music CDs, create and edit playlists, and record music files to CD
- O** Play FM radio stations
- P** Find utilities and programs: instant messaging, video editing, and creating CDs/DVDs



Some of the features listed are for select models only.

Other menus not shown:

- **HP Image Zone** — View digital pictures, play a slide show, and print photos
- **HP Tunes** — Play music from your iTunes music Library or from music CDs
- **Play DVD** — Watch DVD movies
- **Settings** — Change Media Center program settings

Online Spotlight

Online Spotlight is a link to the Microsoft Web site, where you can find the latest Media Center information and media offers and services. This site is periodically updated by Microsoft. Some of the services listed may not be available in some countries/regions.

Your HP Digital Entertainment Center must be connected to the Internet to access the Online Spotlight Web site.

Navigating Media Center

In the Media Center windows, a selected item such as a folder, file, or menu item is outlined with a green border.

You can control the Media Center functions and navigate Media Center windows by using the remote control, the keyboard, or a trackball.

To select items in Media Center by using the remote control, use the arrow buttons on the remote control, and then use the OK button to enter your selection.

If you have media playing, such as music or television, it appears in an inset window in the lower-left corner. To switch from watching your media in the inset window to watching it in full-screen mode, use the arrows on the remote control to select it, and then press OK.




Media Center menu bars

When you move the trackball, the Media Center menu bars appear. These menu bars allow you to access media controls, Media Center Help, the back screen arrow, window control icons and the Media Center icon that takes you to the main Media Center menu. When you use the remote control, or when you stop using the trackball (after 5 seconds), the menu bars disappear.







You can use the Minimize and Resize buttons to switch to the desktop or to run Media Center side-by-side with another program.

Media Center control menu

 To access the control menu in Media Center, move the trackball to display the menu bars. Select the **Shut Down** icon on the main Media Center window.

From this control menu, you can select icons to perform various actions.



Icon	Action
	Log off and end your Media Center session and switch users
	Shut down the HP Digital Entertainment Center
	Restart the HP Digital Entertainment Center
	Put the HP Digital Entertainment Center in a reduced power state — standby mode

Using Instant Messaging in Media Center

Instant messaging may not be supported in all countries/regions.


Media Center supports instant messaging so you can communicate with your friends and family while you are doing something in Media Center. You always have the option to turn this feature on or off.

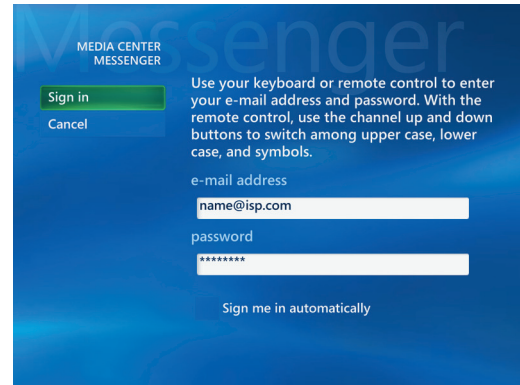
You can use your remote control to log in and type messages. You can even have multiple conversations.



From most areas in Media Center, you can press **Ctrl + D on the keyboard, or select a media file and press the **More Info** button on the remote control to access the Messenger login screen.**

Logging in to your messenger account

- 1 First, you must go to **<http://www.msn.com>** to set up your messenger account. You will need a .NET passport to log in to messenger. A .NET passport is an e-mail address, a login name, and a password. Make sure you verify the account with MSN before you try to log in from Media Center.
- 2 Press the Media Center Start button  on the remote control to open Media Center.
- 3 Select **More Programs**, and then select the **Messenger** icon.
- 4 Select **Sign In**.
- 5 Enter your .NET passport information, and then select **Sign In**.



MEDIA CENTER
MESSENGER

Sign in
Cancel

Use your keyboard or remote control to enter your e-mail address and password. With the remote control, use the channel up and down buttons to switch among upper case, lower case, and symbols.

e-mail address
name@isp.com

password


Sign me in automatically

Changing Media Center Settings

In the Media Center Settings window, you can change settings for watching television, for viewing your pictures and slide shows, and for controlling sound and the display of all the Media Center windows.



To change your Media Center settings:

- 1 Press the Media Center Start button  on the remote control.
- 2 Select **Settings**.
- 3 Select a category.
- 4 Select one of the settings listed. Then, use the arrow buttons to select an option or follow the onscreen instructions.
- 5 Select **Save** to save your changes.

Media Center Settings categories

- **TV** to set up TV signal, audio, and closed captioning. You can download or edit the Television Program Guide, view or clear recording history, set hard disk drive recorder storage space, configure your display, and set recording defaults.
- **Pictures** to set slide-show settings.
- **Music** to select visualizations or song information to display when playing a song.
- **DVDs** to select a language for subtitles, audio tracks, and menus of your DVDs, program the remote control buttons for your DVDs, and select closed captioning. You can also access audio settings for your speakers. You must use a trackball or keyboard to select the audio settings.
- **Messenger and Caller ID** to allow instant messages within Media Center and set notifications for caller ID. Instant Messaging may not be supported in all countries/regions.
- **Radio** to organize or delete pre-set radio stations.




Some settings, such as parental control and caption display settings for TV and DVDs, are included with select models only. Not all channels support closed captioning.

- **General** to set:
 - **Startup and Window behavior.**
 - **Visual and Sound Effects** to set transition animations and sounds when navigating in Media Center.
 - **More Programs Options** to change settings for other programs on the HP Digital Entertainment Center.
 - **Media Center Setup** to configure your Internet connection, TV signal, speakers, TV, or monitor; access Windows updates; run Media Center setup again; set up remote desktop; and reset Start Page defaults.
 - **Parental controls** to block unwanted TV channels and block unwanted TV and movie ratings, change access code, and reset parental controls.
 - **Automatic Downloads Options** to get media information about CDs, DVDs, and movies from the Internet and to select how to download the Television Program Guide.
 - **Help** to find help about using Media Center and your hardware.
-

Changing audio, video, display resolution, and other settings

To change your audio and video settings:

- 1 Press the Media Center Start button  on the remote control.
- 2 Select **More Programs**.
- 3 Select **HP Settings**.
- 4 Select one of the following settings:
 - **DVD** to adjust audio and video settings for DVD playback using InterVideo WinDVD player.
 - **Resolution** to adjust the appearance of Windows Desktop for your TV.
 - **Front Panel** to adjust the brightness of the front panel display on the HP Digital Entertainment Center.
 - **HP Media Drive** to set up your HP Personal Media Drive to access music, pictures, videos, and recorded TV shows from within HP Media Center.
- 5 Use the arrow buttons to select an option or follow the onscreen instructions.

Changing the display resolution

The desktop display resolution utility changes the viewing experience outside of Media Center. Use this if you have trouble reading programs running from the Windows Desktop. Some programs may not work with the lower resolution recommended for standard definition TVs.




Resolution settings:

1024 x 768 is recommended for high definition TVs.

800 x 600 is recommended for standard definition TVs larger than 32".

640 x 480 is recommended for standard definition TVs smaller than 32".

- 1 Press the Media Center Start button  on the remote control.
- 2 Select **More Programs**, and then select **HP Settings**.
- 3 Select **Resolution**, and then select **OK**.
- 4 Select a resolution that is recommended for your type of display, and then select **Apply**.


Or

Select the **Advanced** button to open the display properties control panel where you can select the **Settings** tab, and then select another resolution setting by moving the slider bar under *Screen resolution*. Select **OK**.

Contacting HP Support in Media Center

You can access a link to HP Support in Media Center by using your remote control. At HP Support you can:

- Register your product with HP.
- Learn more about your HP Digital Entertainment Center and Media Center.
- Test your hardware with interactive diagnostic software.
- Connect to online technical support or access a telephone number to talk with a technical support agent.

- 1 Press the Media Center Start button  on the remote control.

- 2 Select **More Programs**, **HP Settings**, and then select **HP Support**.
- 3 Select an option, and then follow onscreen instructions. You need to use your trackball and keyboard in this Web site.



HP Support is available 24 hours per day, 7 days per week, 365 days per year.

Finding Additional Media Center Information



To learn more about using Media Center, refer to the online and other Help files located in Media Center. Using your trackball, click the **Help** icon in the Media Center toolbar.

You can select **Online Spotlight** from the main Media Center menu to go online for the latest Media Center tips and other information. Online Spotlight may not be available in all countries/regions.

Also, you can access the *Microsoft Windows XP Media Center Edition 2005 Reference Guide* when you go online to the HP Support Web site at:

<http://www.hp.com/support>

To find the online documentation for your product, search for your model number and then click **Manuals**.

Using the Remote Control

The remote control is designed to work with Media Center. You can use your remote control with Media Center to play CDs and DVDs, to view pictures, and to watch and record television programs.

This remote control helps you navigate the Media Center windows on your computer just as a TV remote control helps you navigate cable TV options or control the playback of a movie in a VCR or DVD player.

The remote control can:

- Navigate and control all Media Center windows.
- Control the video or live TV display.
- Place the computer in and out of standby mode.
- Shut down or restart the HP Digital Entertainment Center.
- Log off from Media Center or switch users.
- Access Teletext menus while watching live TV.

The remote control cannot:

- Navigate the Windows desktop or control other computer programs outside of Media Center.
- Be used as a VCR, DVD player, or stereo remote control.
- Turn on or off a TV that is connected to your HP Digital Entertainment Center.
- Turn on the HP Digital Entertainment Center.




The remote control operates up to 7.9 meters (26 feet) away from the remote sensor.

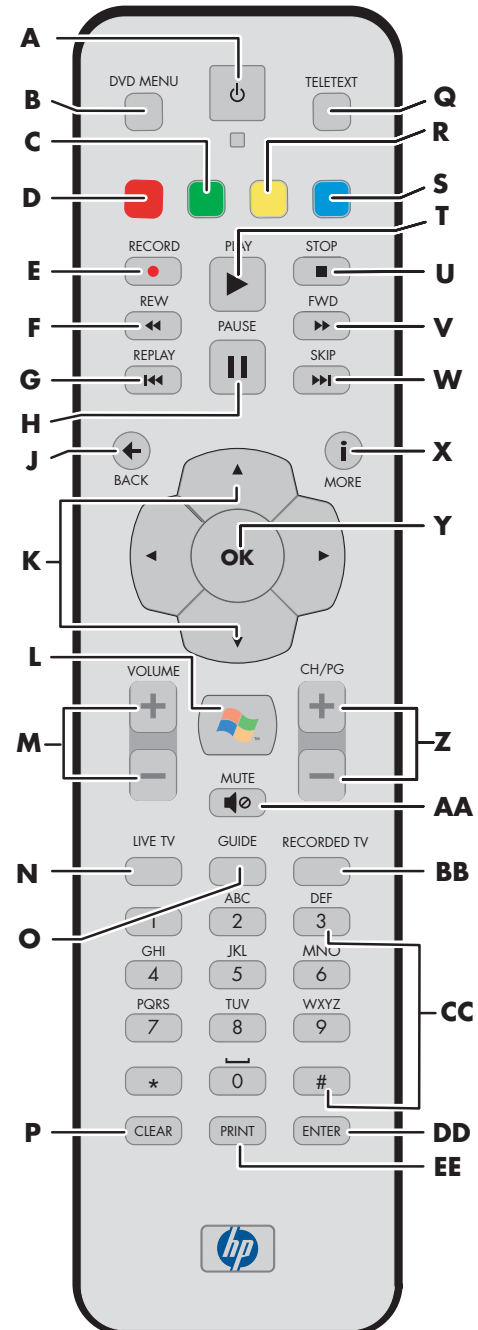
Make sure there is nothing blocking the pathway between your remote control and the remote sensor.



Remote Control Buttons Overview

Features and location may vary

- A Standby**  puts the HP Digital Entertainment Center into and out of a power-reduced state.
- B DVD Menu** opens the Play DVD window or opens the main menu of a DVD movie, if available.
- C** The **green button** opens a Teletext menu while watching live TV.
- D** The **red button** opens a Teletext menu while watching live TV.
- E Record** records a selected television program and stores it on the hard disk drive when in Live TV mode. The Record button is inactive for all other media.
- F Rew (Rewind)** moves the media backward at two speeds.
- G Replay** moves media backward 7 seconds.
- H Pause** pauses audio and video tracks and live or recorded TV programs.
- J Back** returns HP Digital Entertainment Center to the previous window within Media Center.
- K Arrow** buttons move the cursor to navigate and select actions within all Media Center windows.
- L Start** opens Media Center to the main Start menu.
- M Volume** increases (+) and decreases (-) volume.
- N Live TV** is a shortcut to the full-screen view of live TV. Moves a TV program forward to the end of the pause buffer and resumes playing live TV.
- O Guide** opens the Television Program Guide.
- P Clear** deletes the last character entered.



- Q Teletext** turns Teletext on or off while in live TV mode. The Teletext page either replaces the live TV picture or is displayed over it. TV sound is still available.
- R** The **yellow button** opens a Teletext menu while watching live TV.
- S** The **blue button** opens a Teletext menu while watching live TV.
- T Play** plays the selected media.
- U Stop** stops the media currently playing.
- V Fwd (Fast-forward)** moves media forward at three speeds.
- W Skip** moves media forward — for example, 30 seconds in videos and live TV or one music track.
- X More (i)** displays available information about a selected media file and displays other menus.
- Y OK** selects the desired action or window option and acts as the Enter key.
- Z CH/PG** up (+) and down (–) changes the TV channels or moves pages up and down, depending on available options. Moves to the next DVD chapter.
- AA Mute** turns computer sound off. The word *Mute* is displayed when Mute is turned on.
- BB Recorded TV** opens the Recorded TV window where recorded TV programs are listed.
- CC 0 to 9, #, *** are the numeric keypad buttons to change channels or enter text into a Media Center search or text box. Each time you press a number button, a different character appears. Press the Enter button to select a character.
- DD Enter** selects the desired action, menu, or window option.
- EE Print** prints your pictures that you select in the My Pictures window of Media Center.



If you turn off (shut down) your HP Digital Entertainment Center, Media Center will not record a scheduled TV program. The HP Digital Entertainment Center must be turned on or in standby mode to record TV programs.



Make sure you turn off the monitor and turn down or mute the volume; for example, if you have a scheduled recording in the middle of the night and don't want to be disturbed.

The HP Digital Entertainment Center will not automatically go into standby mode if Media Center is open. It is recommended to close Media Center before you manually place the HP Digital Entertainment Center in standby mode.

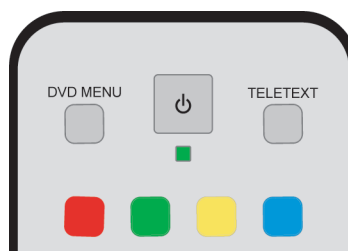
Teletext access buttons (Select models only)

Although Teletext is broadcast free of charge, your TV set must be equipped with a Teletext decoder. Access to Teletext and all of its functions is available through your TV and the Media Center remote control.

Although the following information should describe the operation of Teletext for most TV sets, functions vary between manufacturers and models. For specific information about your particular TV model, please see the documentation that came with your TV.

Teletext consists of pages of free information such as news, sports, financial information, recipes, entertainment listings, holiday advertisements, music and TV reviews, backup information for certain TV programs, and themes for television sets capable of viewing these pages.

The actual Teletext pages are broadcast in a hidden part of the television signal and decoded by the television. Teletext pages are accessed by a three-figure number; on most channels, the front page is on page 100.



The Teletext access buttons listed below open the main Teletext pages. Each Teletext page has a unique three-digit page number. All pages can be accessed by typing in the number using the numeric keypad on the remote control.

Use the up and down arrows to navigate through the different Teletext pages.

Button	Function
Teletext (Text)	Toggle button to turn Teletext on and off. This button opens page 100, or the home page. The Teletext page completely replaces the TV or Media Center display; however, sound is still available. To return to the TV or Media Center display, press this button again. On some displays, Teletext can be viewed over the display picture.
Red	Opens the red Fasttext shortcut link when display is in Teletext mode.
Green	Opens the green Fasttext shortcut link when display is in Teletext mode.
Yellow	Opens the yellow Fasttext shortcut link when display is in Teletext mode.
Blue	Opens the blue Fasttext shortcut link when display is in Teletext mode.

Watching and Recording TV Programs

Watch live TV or record your favorite shows for later playback. Use the Television Program Guide to find the show you want to watch or record. You can also record a show while watching another prerecorded show.

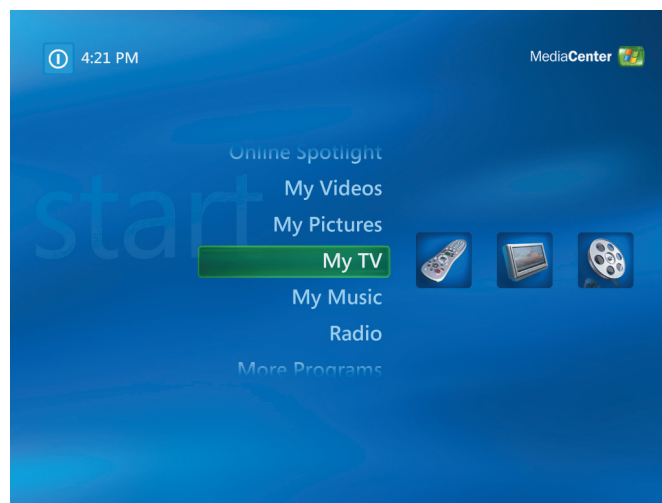


Digital video recording features and the Television Program Guide are for select models only.

Navigating My TV

From the My TV window you can search for and play your favorite TV shows. Use the following menu items to help you locate what you want to do:

- **Live TV:** Watch, pause, fast-forward, or rewind your favorite TV shows. You can watch recorded TV shows while recording another show. Use the More information button on the remote control to display TV show information.
- **Recorded TV:** View a list of recorded programs by date or title, view a list of programs scheduled to be recorded, play a recorded program, find out why a program wasn't recorded, or add a TV recording manually.
- **Search:** Quickly find a TV program or a series to watch or record by entering a descriptive word, program title, or program category.
- **Guide:** (Not available in all countries/regions.) Scroll through the Television Program Guide to find programs to watch and record. You can record specific TV shows or a whole series to your hard disk drive or an HP Personal Media Drive.
- **Movies:** Go online to find movies to watch now or later. Get the latest information about movies on TV: read reviews, see cast lists, find other times the movie is broadcast, view the DVD cover, browse for related movies, and find other movies with the same cast members.



The Movies online information feature is available for some countries/regions.

Watching TV

Before you can watch TV by using Media Center, make sure:

- The computer is set up correctly for your TV signal source. Refer to the *setup poster* and the *HP Digital Entertainment Center User's Guide* for more information.
- You have completed the Media Center setup wizard. If you have not completed the setup wizard, refer to "Completing the setup wizard steps" on page 3.




You can change the channel by using the remote control while in full-screen mode or when the inset window is selected.

You can go to live TV from anywhere in Windows Media Center by pressing Live TV on the remote control.

While in the Guide, you can select a channel to see upcoming programs for that channel, by pressing the arrow buttons on the remote control.



Watching Live TV

- 1 Press the TV button on the remote control or select **My TV** from the main start menu. Use the arrow buttons on the remote control to select **Live TV**, and then press OK. The last channel selected or the first channel available begins playing.
- 2 Select a channel by using the CH/PG (+) or (-) buttons or the numeric keypad on the remote control, and then press OK on the remote control. The channel number and program information are displayed in the window.
- 3 Press the More information button to open another menu with the following options and information: 
 - A zoom option.
 - Access to Messenger and Settings windows.
 - Program information such as channel number and station, title and time period of program, actual time, and a brief summary of the program and TV rating, if available. Recording options are also shown.
- 4 To exit full-screen mode and return to the previous window, press Back on the remote control.



Controlling TV playback

The personal video recorder functionality lets you record single shows or capture entire series for later viewing.

When you open the My TV window and begin watching live TV, Media Center automatically begins recording the selected program in the background for up to 30 minutes. When you pause a live TV program while watching in full-screen mode, the time-shifting window appears. To record a program longer than the 30 minutes, you must select to record the program.

You can return to the live broadcast by pressing the Live TV button on the remote control.

When you change the channel, Media Center deletes the previously recorded portion and begins recording again after a short delay.



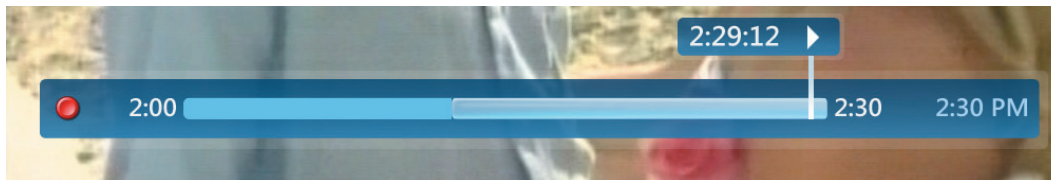
You cannot pause a live TV program and then rewind to the beginning of the pause buffer and then begin recording. You can record a TV program only from live TV.











The 30-minute pause buffer applies only when pausing, rewinding, and fast-forwarding live TV. Media Center allows you to record a program for longer than 30 minutes when you select to record the program.



The digital video recording features are for select models only.



Using the remote control in My TV

Button	Action
	To freeze the live TV image, press Pause. While paused, My TV continues to record a pause buffer for up to 30 minutes. To resume watching TV where you left off, press Play.
	To stop live TV or a recorded program, press Stop once. To resume watching the program, press Play.
	To move forward in a live TV program that has been paused, or in a recorded program, press Fast-Forward (Fwd). To speed up the fast-forwarding, press Fwd two or three times. Fwd allows you to skip 3 hours in the Television Program Guide.
	To play a recorded TV program or to resume watching a program after pressing the Pause, Fast-Forward, Rewind, Replay, or Skip buttons, press Play.
	To advance in live TV or in a recorded program by 30 seconds, press Skip once. You can repeatedly skip forward, but only to the end of the pause buffer or the recorded program. Allows you to skip 12 hours in the Guide.
	To move backward in live TV or a recorded program, press Rewind (Rew). To speed up rewinding, press Rew three times. To resume watching the program, press Play. Rew allows you to move back 3 hours in the Guide.
	To move backward in live TV by 7 seconds, press Replay. You can repeatedly rewind with the instant replay option, but only to the beginning of the pause buffer or recorded program. Allows you to move back 12 hours in the Guide.
Live TV (TV)	To maximize the TV viewing window to full-screen mode, press Live TV. Also, to advance to the end of the pause buffer and resume watching the live TV broadcast, press Live TV.
More information 	To see the channel number, station identifier, title of program, time slot, and category of program, press the More information button while in full-screen mode. If you select a recorded show and then press the More information button, you can access more information about a program, stop or delete a program, record a series, change the "Keep Until" setting, copy a selected program to CD/DVD, access the instant messaging dialog box, and access TV settings.
CH/PG	To move to the next channel or page in the Television Program Guide, press the CH/PG (+) and (-) buttons.
Guide	To open the Television Program Guide, press Guide. When in the Guide window, press Guide again to view a program categories menu. To filter your Guide to display only programs in a category, you can select a category, such as Drama.

Using the Television Program Guide

The Television Program Guide is a service contracted by Microsoft that provides TV listings information, such as channel, network, program title, summary, and scheduled broadcast times. This service is currently not available in some countries/regions.



Your HP Digital Entertainment Center requires a connection to the Internet to access the Guide.

In countries/regions where the Guide is not available, please refer to “Using Media Center without a Guide” on page 22 and see “Recording programs manually with or without a Guide” on page 31 for more information about recording TV programs.


Using the Guide, you can scroll through a list of the current and upcoming television programs and channels available from your television service provider. The Guide displays the channel and network, as well as the program title, scheduled time block, and a brief description of the program. The number of days displayed depends on your television service provider; most providers display up to 14 days. By selecting a program title, a detailed description of the program appears at the bottom of the window.

Using Media Center without a Guide

Before using Media Center, it is important to complete the Media Center setup wizard. This takes you through steps to identify your TV signal source and scan for channels you are able to receive from your TV provider. By scanning for channels, you can manually select TV programs to watch and record, even if your country/region is unable to download the TV listings information of the Guide listed above.

The Television Program Guide data may not be available in your country/region. You can still record TV programs without a Guide; see “Recording programs manually with or without a Guide” on page 31.

If you have already completed the setup wizard, but want to change your settings or scan for TV channels again:

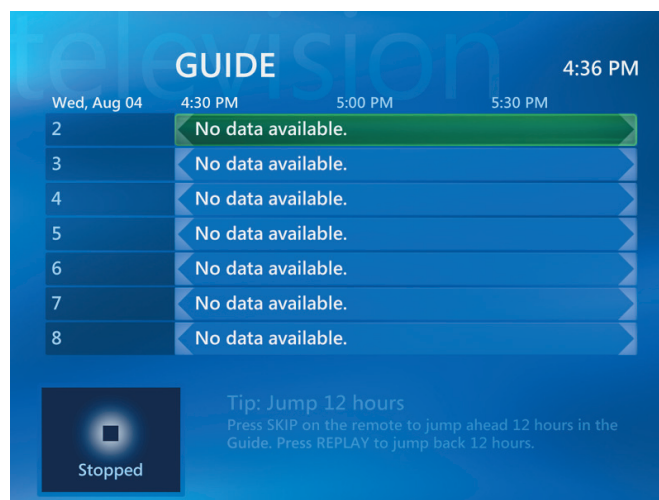
- 1 Press the Media Center Start button  on the remote control.
- 2 Select **Settings, General, Media Center Setup**, and then select **Run Media Center Setup Again**.
- 3 Follow the onscreen instructions to scan for your channels.

Television Program Guide Errors

If there is no Guide data available when you try to download or search for Guide information, the following messages may appear:


- *Download Incomplete: We were unable to locate any Television Program Guide information for the following reason: Guide data is not available for the country or region setting you selected in the Control Panel Settings.*
- *Search in My TV is unavailable because there is no Guide information.*
- *The current lineup and/or location selected for the Guide is not supported.*
- *The Guide information is either missing or corrupt.*
- *No data available.*
- *Channel information is currently not available.*

If you receive any of these messages, then the Guide data is not available in your country/region, and you cannot use Television Program Guide features. Check back periodically to see if Guide data has been provided.



The Television Program Guide is not available in all countries/regions.

Viewing the Television Program Guide

- 1 Press the Media Center Start button  on the remote control.
- 2 Select **My TV**, and then select **Guide**.
- 3 Use the arrow buttons to select a channel, and then use the arrow buttons to scroll through up to two weeks of programming for that channel.
- 4 Select a program, and then press OK to watch it. Press the Record button on the remote control to record the program.



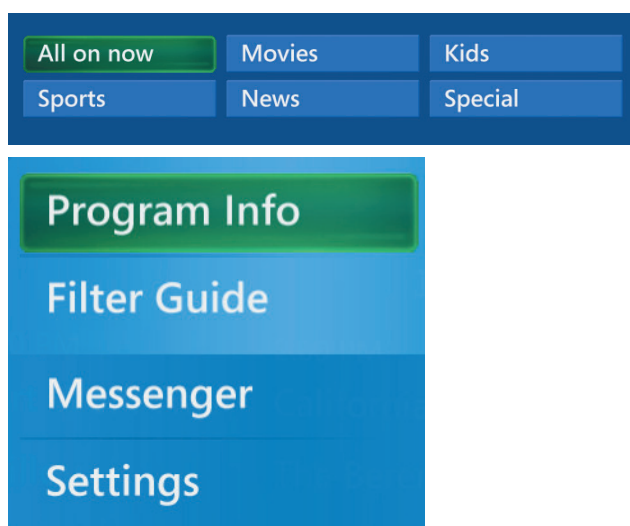
Make sure the HP Digital Entertainment Center is connected to the Internet and Media Center is properly set up before you try to change the Guide settings.



When you select a channel and then press OK on the remote control, you can view up to two weeks of programming information. Use the scroll arrows at the bottom of the window.


If you press the Guide shortcut button on the remote control while you are already in the Guide, you can select one of the Guide filter categories, such as Movies, to search for a movie.

Press the More information button on the remote control to access another menu for more options of searching the Guide.



Setting up how Media Center downloads the Guide

Your HP Digital Entertainment Center must have a connection to the Internet and you must select a TV listings provider in the Media Center Setup Wizard before you can use and download the Guide information. You can

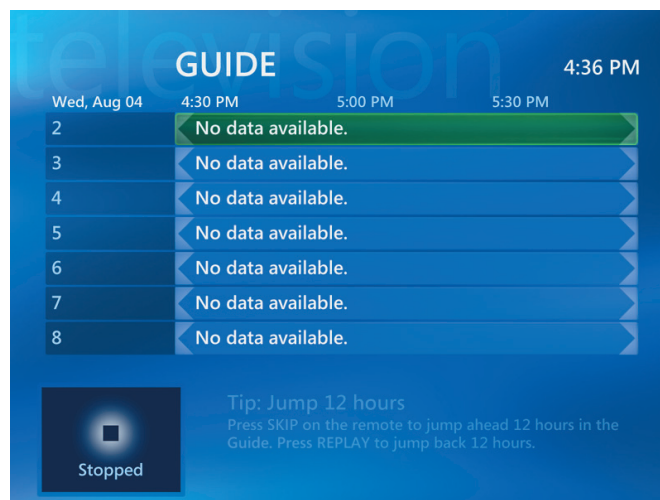
- 1 Press the Media Center Start button  on the remote control.
- 2 Select **Settings, General, Automatic Download Options**, and then select:
 - **Download when connected:** Connect to the Internet, and Media Center automatically downloads the Guide.Or
 - **Manual download:** Connect to the Internet and then manually download the Guide in Media Center TV Settings menu.

- 3 Follow the onscreen instructions. When the Television Program Guide starts downloading from the Internet, it can take up to 30 minutes, depending on the amount of data to download and the speed of your Internet connection.




No data available appears next to each channel if the Guide has not been downloaded. This can occur if the HP Digital Entertainment Center does not have an Internet connection or if there is no service available in your country/region.

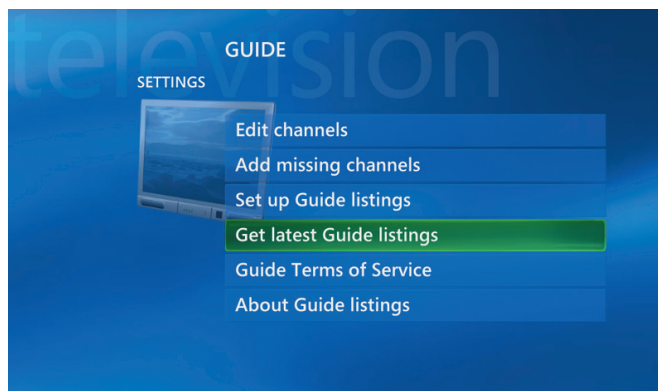
set up Media Center to download the Guide information when you connect to the Internet, or you can select to manually download the Guide.




If your HP Digital Entertainment Center has a DSL connection, your HP Digital Entertainment Center is always connected. The Guide is downloaded at a specified time every few days. The download interval varies, depending on the ISP.

Manually downloading the Guide

- 1 Press the Media Center Start button  on the remote control.
- 2 Select **Settings, TV, Guide**, and then select **Get Latest Guide Listings**.
- 3 Follow the onscreen instructions. The Guide can take up to 30 minutes to download, depending on the amount of data to download and the speed of your Internet connection.




Adding a postal code to receive the correct Guide

- 1 Press the Media Center Start button  on the remote control.
- 2 Select **Settings, TV, Guide**, and then select **Set Up Guide Listings**.
- 3 Click **Next**, and follow the onscreen instructions.
- 4 Enter your postal code, and then select **Next** for Media Center to determine which TV/Program Guide listings are available for your country/region.
- 5 Follow the onscreen instructions.


Adding missing channels to the Guide

Some program channels may not appear in the Guide. To add the names and numbers of the channels that are missing or to change the association between channel numbers and lineups:

- 1 Press the Media Center Start button  on the remote control.
- 2 Select **Settings, TV, Guide**, and then select **Add Missing Channels** to add the names and numbers of the channels you are missing.
- 3 Click **Add Channel**.
- 4 Use the numeric keypad on your keyboard to enter the number of the missing channel, and then select **Next**.
- 5 Enter the correct channel number, and then select **Add**.
- 6 Repeat steps 3 through 5 to add additional channels.
- 7 Click **Done** when you have added all the channels.


Editing channels in the Guide

Some program channels may not appear correctly in the Guide information. To edit the channel numbers that are incorrect for your TV provider information:

- 1 Press the Media Center Start button  on the remote control.
- 2 Select **Settings, TV, Guide**, and then select **Edit Channels** to edit the channel numbers currently assigned by Media Center.
- 3 Select **Edit Numbers**.
- 4 Use the numeric keypad on your keyboard to enter the number of the correct channel, and then select **OK** on the remote control.
- 5 Select **Assign channel** to assign a new channel number.


Or
Select **Share channel** to share the channel with another channel.
- 6 Click **Save** when you have edited all the channels.
- 7 If you need to go back to the channel numbers automatically assigned by Media Center, select **Restore Default**.

Removing channels from the Guide

- 1 Press the Media Center Start button  on the remote control.
- 2 Select **Settings, TV, Guide**, and then select **Edit Channels** to remove the channels you do not want to appear in the Guide.
- 3 Select a check next to a channel you want to remove, and then press the OK button on the remote control to remove the channel from the lineup.
- 4 Select **Save** when you have selected all the channels to be removed from the Guide.

Searching for TV Programs

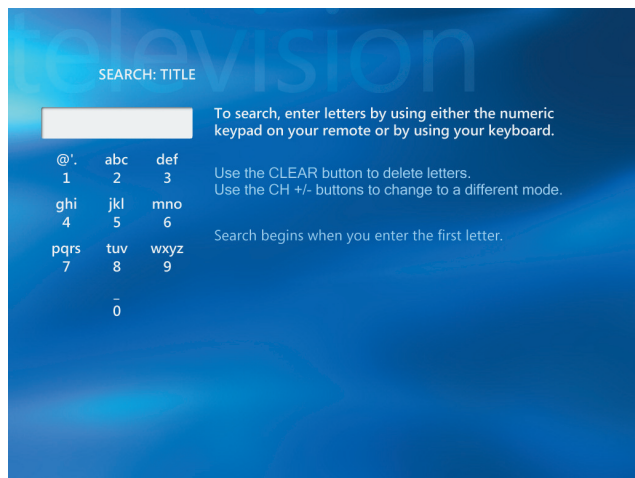
To find a TV program, you can enter a title or keyword or select a category in your Guide by using your remote control.

- 1 Press the Media Center Start button  on the remote control, select **My TV**, and then select **Search**.
- 2 Select **Title**. Use the numeric keypad on your remote control or your keyboard to enter a program title word, and then press OK on the remote control.

Or

Select **Keyword**. Use the numeric keypad on your remote control or your keyboard to enter a descriptive word that would appear in a program title or program description, and then press OK on the remote control.

- 3 To scroll through search results, use the arrow buttons to select a program, and then press OK. If multiple times for the program are displayed, select a time and press OK.
- 4 To begin watching the program in full-screen mode, select the program, and then press OK. If the program is not currently playing, select **Record** or **Record Series**, and then press OK.




- Using Categories to search can help you find, for example, all football games. A title or keyword search displays every program that has "football" in the title or description.
- The TV search results do not include previously recorded TV programs.

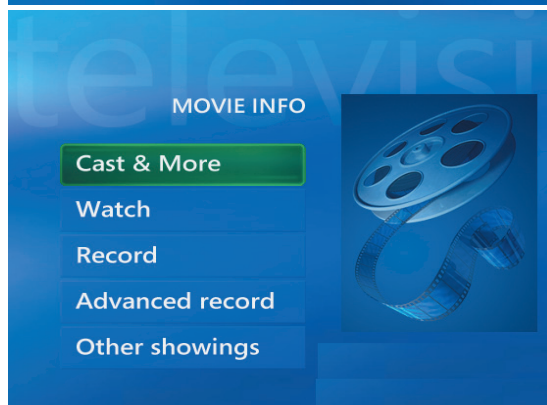
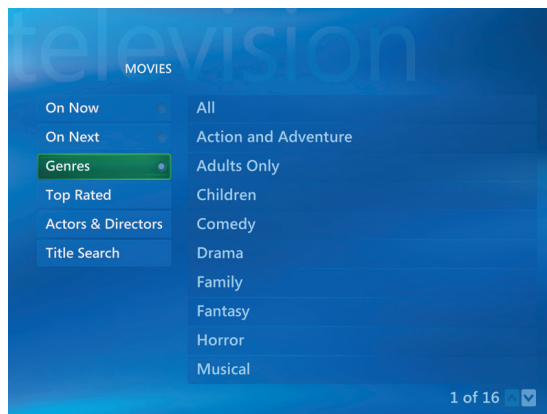


Guide filtering features, such as searching by keyword or category, are available for select models only.

Searching for TV programs using categories

You can search the Guide to find a TV program by selecting a category using your remote control. Some categories are not available in all countries/regions.

- 1 Press the Media Center Start button  on the remote control, select **My TV**, and then select **Search**.
- 2 Select **Categories**.
- 3 Select a category of program types, such as **Movies**.
- 4 Select an option such as **Genres** or **Top Rated**.
- 5 Select a sorting option, such as **By movie title**.
- 6 Use the arrow buttons to scroll through search results and to select a program. Then press OK on the remote control.
- 7 Select an option to find out more about the program, to watch it, to schedule a recording, or to view other showings of your program.






Recording TV Programs

Media Center allows you to record TV programs so that you can watch them when it is convenient. You can record the program you are watching, or you can record a future program or series from the Guide, the Search, or the Recorded TV window in My TV. You can record two programs at the same time if your HP Digital Entertainment Center has two TV tuners that have the same type of TV signal input (select models only).

If a recording error occurs, the program will not be recorded unless the conflict is resolved. If you try to schedule a recording and another is already scheduled for the same time, a conflict window appears and gives you the option to record the new program or record the previously scheduled program.

To make sure your program is being recorded, select **My TV, Recorded TV**, and then select **Scheduled**. The Record icon also appears next to the program in the Guide while you are recording. The Record icon disappears when the recording is complete.

Recording icons	
	The Record icon appears in the Television Program Guide next to the program scheduled to record.
	The Record Series icon appears in the Television Program Guide next to each occurrence of a program in a series that is scheduled to be recorded.
	The Record Conflict/Error icon appears in the Television Program Guide and the taskbar if another program is scheduled to be recorded at the same time.

Record Series means that you select to record each episode of that program from one channel. Media Center won't record duplicate episodes. Media Center also looks for alternative times to record an episode if a recording conflict arises.



If you turn off (shut down) your HP Digital Entertainment Center, Media Center will not record a scheduled program. The HP Digital Entertainment Center must be turned on or in standby mode to record a TV program. The HP Digital Entertainment Center will not automatically go into standby mode if Media Center is open.


Make sure you turn off the monitor and turn down or mute the volume if, for example, you have a scheduled recording in the middle of the night and do not want to be disturbed.




For more information about recording to your HP Personal Media Drive, see "About Recording TV to the HP Personal Media Drive" on page 126.

Recording TV from the Guide

To record a current or future program or series from the Guide:

- 1 Press the Media Center Start button  on the remote control, select **My TV**, and then select **Guide**.
- 2 To find the program you want to record, use the arrow buttons on the remote control, and then select the program. You can also use the numeric keypad on the remote control to enter a channel number. Press the right arrow button in the Guide to select a program that will be broadcast in the future.
- 3 Press the Record button on the remote control.

The Record icon  appears next to the program in the Guide. Press Record twice to record a series.

The Record Series icon  is displayed to indicate a series. Press Record again to cancel the recording.

- 4 To return to the previous window, press Back on the remote control.
- 5 If there is a recording conflict, Media Center displays a message and allows you to select which program you want to record.

Recording programs manually with or without a Guide


You do not need the Television Program Guide to record TV. You can record a TV program by pressing the Record button on the remote control while watching live TV, or you can select a specific date, channel, and recording time period in Media Center.

For some programs, you may want to begin recording before the scheduled beginning and after the scheduled ending of the program.



- **Recorded TV programs that have been copied to a DVD can be played on your HP Digital Entertainment Center and on some DVD players.**
- **Recorded TV programs can be backed up as part of a full system backup and restored to the same HP Digital Entertainment Center, but not to other PCs.**

To record a program without a Guide:

- 1 Press the Media Center Start button  on the remote control, press the Live TV button, and then press Record to begin recording your program.

Or

Click **Start**, and then click **Media Center**, or press the Media Center Start button on the remote control, select **My TV, Recorded TV**, and then select **Add Recording**.

- 2 Select **Channel and Time**.
- 3 Select the channel number box and enter the channel number using the numeric keypad on the keyboard or remote control.
- 4 Select the (+) or (-) buttons, and then press Enter on the keyboard or OK on the remote control to scroll through choices and enter the recording frequency, date, start and stop times, and storage and quality options.
- 5 To set the recording and return to the Recorded TV window, select **Record** in the window, and then press Enter on the keyboard, or OK on the remote control.
- 6 To return to the previous window, press the back arrow on the keyboard, or press Back on the remote control.



Recording quality and hard disk drive storage space

The space available for recording TV programs depends on your hard disk drive size, the percentage of hard disk drive space allocated to recorded TV, and the recording quality setting.

To get the maximum recording time, change the recording quality to Fair instead of the default setting of Best.



Refer to Media Center Help for more information about recording errors, advanced recording features, and My TV settings.

Quality of recording	Hard disk drive space used *
Best	2.7 GB/hour
Better	2.1 GB/hour
Good	1.4 GB/hour
Fair	1.2 GB/hour
*This table shows approximate sizes of recorded TV program files. Some files may be smaller or larger.	

1 GB = 1 billion bytes when referring to hard disk drive capacity. Actual formatted capacity is less.

Copying recorded TV programs to DVD or CD

You can record TV programs to DVD in Media Center to create a backup copy or to save space on your hard disk drive by using the following procedure. These DVDs can be played from an HP Digital Entertainment Center and from some set-top DVD players.

The HP Digital Entertainment Center includes several other recording software programs for you to create CDs and DVDs. You can use InterVideo WinDVD Creator to record the recorded TV program to a format that can be played from an HP Digital Entertainment Center and from some set-top DVD players. See “Using WinDVD Creator” on page 101.


For more detailed information about recording CDs and DVDs, refer to information on the HP Support Web site at:

<http://www.hp.com/support>



TV programs that have been encrypted (protected) by the broadcaster cannot be copied and played back on any player other than the HP Digital Entertainment Center that recorded the program.

To copy a recorded TV program to CD or DVD:


- 1 Press the Media Center Start button  on the remote control.
- 2 Select **More Programs**.
- 3 Insert a blank DVD+RW, DVD+R, CD-RW, or CD-R disc.
- 4 Select **Create CD/DVD**.
- 5 Select the type of CD or DVD you want (**Music** or **Data**).
- 6 Enter a title for your DVD by using the numeric buttons on the remote control, and then select **OK**.
- 7 Select **Recorded TV**.
- 8 Select the Recorded TV programs you want to copy to CD or DVD.
- 9 Select **View DVD** or **View CD**.
- 10 Select **Create DVD** or **Create CD**.
- 11 Select **Yes**.
- 12 Follow the onscreen instructions to complete burning your TV show to disc.



Refer to Media Center Help for more information about recording errors, advanced recording features, and My TV settings.

Playing Recorded TV Programs

Recorded TV is the storage place for all your recorded programs. In the Recorded TV window, you can sort your programs by name, date, or category. You can also delete a recorded program or series of programs and check for any recording errors.

- 1 Press the Media Center Start button  on the remote control, select **My TV**, and then select **Recorded TV**.
- 2 To organize all of your previously recorded programs, select **Sort by Date** or **Sort by Title**.
- 3 To begin watching the program, select the recorded program you want to watch, and then press OK on the remote control.

Media Center places recorded TV programs in the Recorded TV folder that is located in your Shared Documents folder on your hard disk drive.

Playing Music Files

The HP Tunes and My Music areas in Media Center are great ways to play, organize, and back up your music files. HP Tunes is designed to work with the Apple iTunes program in your All Programs menu, and My Music is designed to work with the Windows Media Player program.

HP Tunes

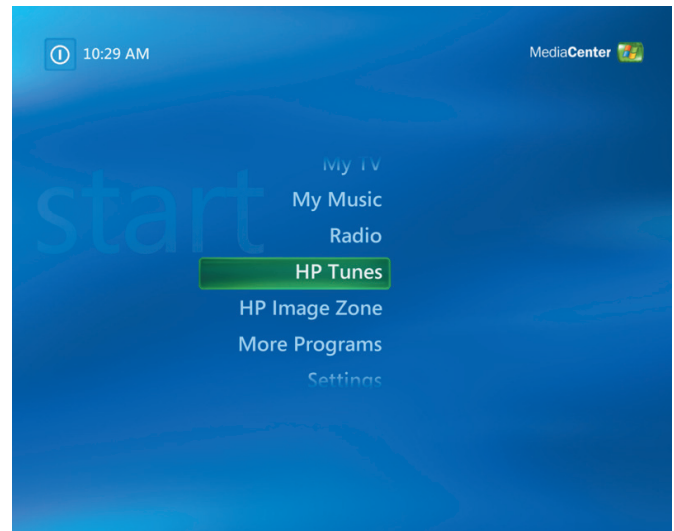
With HP Tunes, you can play your favorite music which you have added to your iTunes music Library. For more information about using HP Tunes, see “Using HP Tunes with Media Center” on page 36.



When a CD is in your drive, it takes longer to open HP Tunes. Also, you must be in HP Tunes to play your iTunes music files from within Media Center.



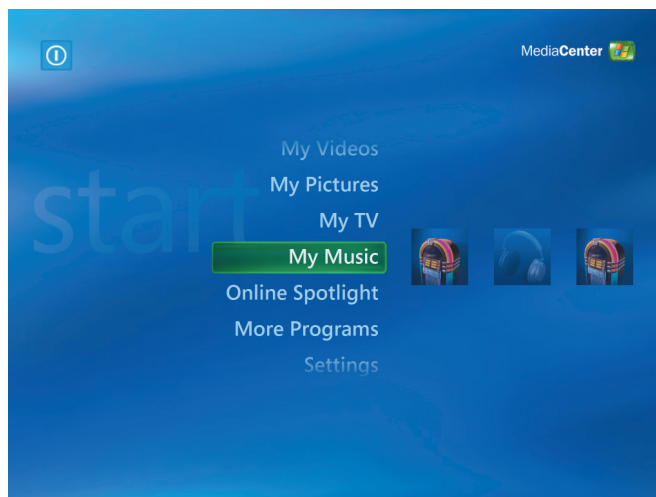
If you leave HP Tunes area, your music files stop playing.



HP Tunes is designed to work with Apple iTunes.

My Music

With My Music, you can find and play your favorite music files and CDs you have added to the Windows Media Player Library. For more information about using My Music, see “Using My Music with Media Center” on page 43.



My Music is designed to work with Windows Media Player.

Using HP Tunes with Media Center

iTunes is a software program from Apple located in your All Programs menu that works together with the HP Tunes area in Media Center. HP Tunes is linked to your iTunes music Library. Both programs work together to organize and play back your favorite music files, CDs, and created playlists.

Some tasks you must do in the iTunes program with your keyboard and trackball, and some tasks you can do from within Media Center with your remote control. For example, you must add music files to the iTunes library before you can access them in HP Tunes in Media Center. Also, you can record your playlists to CDs in the iTunes program but not in Media Center.



HP Tunes menu in Media Center



For more information on using the iTunes program, refer to the HP Support Web site at: <http://www.hp.com/support>

Completing the iTunes setup wizard

To use HP Tunes and iTunes with Media Center, you need to:

- 1 Initialize iTunes by completing a setup wizard.
- 2 Add songs to the iTunes Library, and create playlists. HP Tunes displays only the songs and playlists that are in iTunes.



If you do not complete these steps, an error message appears when HP Tunes is launched, which indicates that a problem has occurred in iTunes that is preventing this program from running.

To complete the iTunes setup wizard:

- 1 Close Media Center, if open.
- 2 Double-click the **iTunes** shortcut icon on the desktop.
- 3 When the iTunes Setup Assistant wizard opens, follow the onscreen instructions.
- 4 Close iTunes.
- 5 Open Media Center, and then open HP Tunes.



Delays with HP Tunes

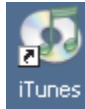
When using HP Tunes, you may experience some delays, or HP Tunes may not function properly. These delays can occur because:

- There is an audio CD in the drive, and HP Tunes is attempting to connect to an Internet database to find music information, such as song titles.
- There is a large collection of songs in your music library.
- Windows Media Player or another music playback program is set as the default player. See the following procedure.

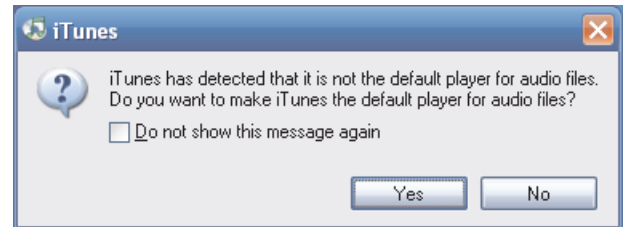
Selecting a default audio player

If you have already set your default audio player to Windows Media Player, you may experience a delay when trying to open HP Tunes. To resolve this issue:

- 1 Close Media Center, if open.
- 2 Double-click the **iTunes** shortcut icon on the desktop.



- 3 When the iTunes default player for audio files message opens, place a check mark in the **Do not show this message again** check box, and then click **Yes** or **No**.



- 4 If you have not completed the iTunes Setup Assistant wizard, follow the onscreen instructions.
- 5 Open Media Center, and then open HP Tunes.


Adding Music to the iTunes Library

To create your iTunes music Library, you can import music files from a CD, download iTunes music files from the iTunes Music Store or the Internet, or import them from your hard disk drive.



If your songs don't appear in HP Tunes, make sure your songs are added to the iTunes Library. You may need to close and open Media Center to update your display. For more information about adding songs and creating playlists in iTunes, see the Help menu in iTunes.

Adding music files from a CD in iTunes

- 1 With your trackball, click **Start**  on the Windows taskbar, choose **All Programs**, **iTunes**, and then click **iTunes**.
- 2 Insert an audio CD.
- 3 Select your CD under the Source menu.
- 4 Make sure the songs you want to add to your library are selected. A check mark appears next to the song when it is selected.
- 5 Click the **Import** icon in the toolbar to bring the songs into the library.



Adding music files from the Internet

For more information about downloading music from the iTunes Music store, refer to the Help menu in the iTunes program.

- 1 Connect to the Internet.
- 2 Follow the online instructions to download your songs. If songs are downloaded from the iTunes Music Store, they appear in your iTunes Library.
- 3 If songs are downloaded to your desktop, drag them into the iTunes Library. If the files are in an unprotected .wma format, they are encoded into .aac files by default (or into the importing format you select from the Preferences menu) and placed into the library.
- 4 To change your import format:
 - a Click the **Edit** menu, and then select **Preferences**.
 - b Select the **Importing** tab.
 - c Select the **Import Using** drop-down menu, and then select an import format.
- 5 Select **Library**. Songs are listed alphabetically or by the sort order of the library column heading you select.



If your songs are listed as track numbers instead of names, make sure the HP Digital Entertainment Center is connected to the Internet so iTunes can look up the song and album names.

Adding music files from your hard disk drive

If the music files are in another format, iTunes will automatically convert most files to the .aac format before it adds them to your iTunes Library.

- 1

Click **Start**  on the taskbar, choose **All Programs**, **iTunes**, and then click **iTunes**.
- 2

Click the **File** menu, and then select **Add File to Library**. Click the drop-down arrow to browse for your music files. Select your file, and then click **Open**.

Using supported music file types

You can play the following types of digital audio files in iTunes. By default, iTunes converts several file types to .aac files when you import them into the iTunes Library.

Some file types, such as protected .wma files and other proprietary file types, cannot be played in iTunes.

Media Center cannot play .aac files from My Music.

With iTunes, you can share .mp3, .aiff, .wav, and .aac files between other computers on a local network.

File extension	File type
.aac	Apple Lossless Encoder
.aiff	Apple Compressed Encoded
.wav	Windows audio file
.mp3	Audio files



MP3 files are the most compatible music file format for playing back on most PCs and other audio playback devices.




You can select Media Center as the default player for any of the listed file types. Refer to iTunes Help for information about supported file types.

Changing song name, genre, artist, or album in iTunes

For more information about changing name, genre, artist, or album information with iTunes, refer to the Help menu in the iTunes program. It is not possible to make these changes from within HP Tunes in Media Center.

Playing CDs with HP Tunes

When you insert a CD that has not been added to your iTunes music Library, it will be listed under Playlists or Albums. If it has been added to your library, it will be displayed under Songs, Albums, Artists, or Genres.

- 1 Press the Media Center Start button  on the remote control, and then select **HP Tunes**.
- 2 Insert a CD.
- 3 Select **Playlists** or **Albums**.
- 4 Scroll through the displayed playlists or albums, and then select your CD title. If the songs on this CD weren't added to your iTunes music Library, this playlist or album will disappear when you eject the CD.




For more information about music file compatibility with iTunes, go to the iTunes Help menu.

Creating a Playlist with iTunes

A *playlist* is a customized list of songs that you saved together and can play later or record to CD. Using playlists, you can group various digital music files together and determine the order in which you want the files to play.

You can create a playlist that includes several tracks from various CDs or even a playlist that contains background music for a slide show.

You can use iTunes or HP Tunes in Media Center to create playlists.

- 1 Click **Start**  on the taskbar, choose **All Programs**, **iTunes**, and then click **iTunes** again.
- 2 Click **File**, and then select **New Playlist**.
- 3 Type a name for your playlist.


- 4 Select **Library**.
- 5 Drag your music files from the library to your Playlist icon.
- 6 Select the **Playlist** icon to check whether your songs were added. Your playlist is now available in the HP Tunes area of Media Center.



If your playlist doesn't appear in HP Tunes, make sure your songs are in your iTunes library. You may need to close and open Media Center to update your display.

Creating and Editing a Queue List with HP Tunes

A *queue* (or Now Playing) list is a temporary list of songs that are scheduled to be played in the order they were selected. A queue list acts like a group of songs you select to play on a jukebox. You can continue to add songs, or you can delete songs from your queue list. You also have the option of saving your queue list as a playlist.

- 1 Press the Media Center Start button  on the remote control, and then select **HP Tunes**.
- 2 Select **Songs**.
- 3 Use the arrow buttons on the remote control to select a song, and then press OK on the remote control to place a check mark next to the song.
- 4 Select **Add to Queue**.
- 5 Press the Back button on the remote control to return to the queue list. Click **View Queue** and then **Edit Queue** to select songs to move or delete.

Or

Repeat steps 2 through 4 to add more songs to your queue list.



Once you create a queue list, you can save it as a playlist that you can play again and again.

Creating Music CDs with iTunes

To create a music CD using iTunes:

- 1 With your trackball, click **Start** on the Windows taskbar, choose **All Programs**, select **iTunes**, and then click **iTunes**.
- 2 Click the **Edit** menu, and select **Preferences**.
- 3 Click the **Burning** tab, and choose **Audio CD** as the disc format.
- 4 Click the **Use Sound Check** check box if you would like all songs on the CD to play at the same volume level, and click **OK**.
- 5 Click the **File** pull-down menu, and select **New Playlist**.

- 6 Enter a name for your new playlist, and an empty playlist window opens.
- 7 Drag and drop selected songs from your source to your new playlist.
- 8 Click the **Burn Disc** icon in the toolbar area. When the disc is finished recording, the Burn Disc icon disappears.
- 9 Insert a blank CD-R disc into your drive (double-layer DVD+R discs are not compatible).
- 10 Click **Burn Disc** to begin recording your playlist.



For more information about creating music CDs with iTunes, click the **Help** menu in the iTunes menu bar. For help online, go to:

<http://www.hp.com/support>



iTunes music files cannot be recorded to double-layer DVD media.



IMPORTANT: HP supports the lawful use of technology and does not endorse or encourage the use of our products for purposes other than those permitted by copyright law.

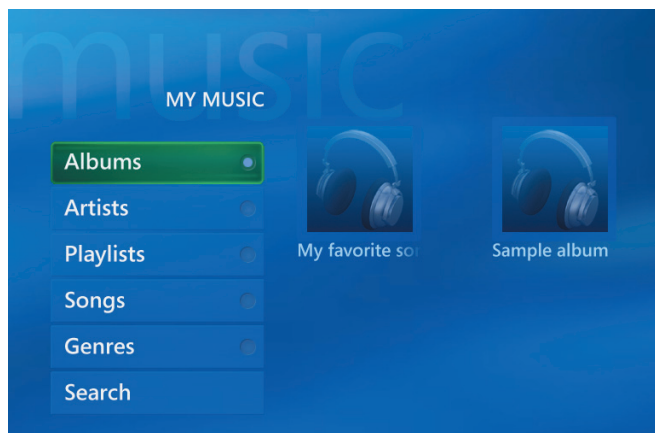
Using My Music with Media Center

You can copy digital music files and organize a music library by using My Music in Media Center or by using the Windows Media Player program.

Music files that are added from within My Music in Media Center are copied into the Windows Media Player Library and are then accessible from within Media Center.

In My Music you can:

- Play CDs or selected music tracks from your created Windows Media Player Library that you access in Media Center.
- Select and edit a personalized queue list of songs from your library.
- Delete songs from a music library or queue list.
- Burn your favorite songs to CDs.
- Back up your music tracks to a DVD or to an HP Personal Media Drive.



My Music menu in Media Center




You can store your music files in the My Music folder or in other folders on your hard disk drive, but you need to add those files to the Windows Media Player Library for Media Center to be able to find and play them.

Adding Music to My Music Library

When you add music files to your My Music library, they are placed into the music library in Windows Media Player. The added music files can immediately be found and played back by using My Music in Media Center.

You can also add music files to your music library from within the Windows Media Player program. For more information about adding and deleting music files to the library, use the Windows Media Player Help menu.


Adding music files from your hard disk drive

- 1 Press the Media Center Start button  on the remote control, and then select **My Music**.
- 2 Press the More Information button on the remote control, and select **Add Music**.
- 3 Select **Add folders**, and then select **Next**.
- 4 Select **Add folders on this computer**, and then select **Next**.
- 5 Use the arrow buttons on the remote control to select a location. Press the OK button to expand a folder. When you find the folder that contains your music folder, select it by making sure an arrow appears next to the folder. Repeat this step to add additional folders, and then select **Next** and then select **Finish**.



Adding music files from a CD

To add the CD tracks to your Media Center music library:


- 1 Press the Media Center Start button  on the remote control, and then select **My Music**.
- 2 Insert a CD into the CD drive.
- 3 Select **Albums**.
- 4 Select the Album CD you want to add to your music library.
- 5 Select **Copy CD**. The first time you copy a music CD you must select your copy-protection option, and then follow any onscreen instructions.
- 6 Select **Yes** to begin copying tracks to your music library. This process may take several minutes, depending on the length of your music tracks.
- 7 Click **OK**.



Each time you add music files outside of Windows Media Player, you must use the Tools menu to add music files to your Windows Media Player Library for Media Center to find them.

Deleting music files from the My Music library

- 1

Press the Media Center Start button  on the remote control, and then select **My Music**.
- 2

Select **Songs**.
- 3

Use the arrow buttons on your remote control to scroll through your songs. Select the song you want to delete, and then press OK on the remote control.
- 4

Select **Delete**, and then select **Yes**.

Using supported music file types

You can play the following types of digital audio files in My Music. Refer to Windows Media Player Help for more information about supported file types.

File extension	File type
.cda	CD audio
.wav	Windows audio file
.mp3, .m3u	MP3
.asx, .wm, .wma, .wmv, .wmp, .wmx	Windows Media audio files



For more information about music file formats, use Windows Media Player Help and Media Center Help.

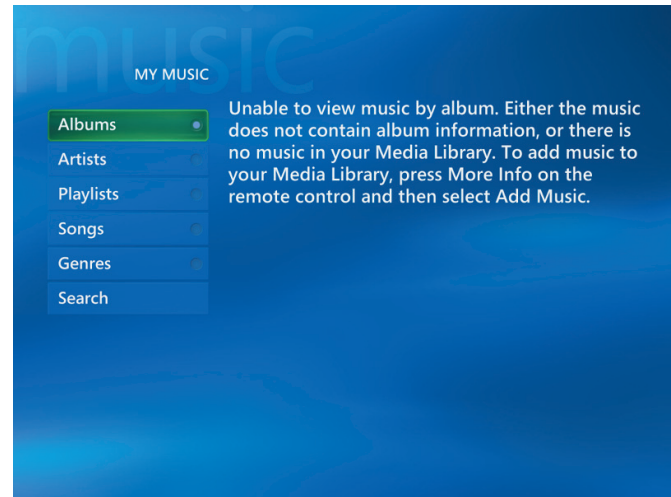
Only supported audio file types are displayed in the My Music window. Unsupported files won't play.

Playing Music Files in My Music

When you first open Media Center and open the My Music window, you may not find any music files listed unless there is a music CD in your CD drive or unless you have already added audio files to your Windows Media Player Library.


When you copy music files using Windows Media Player and your computer is connected to the Internet, the CD information is copied and displayed in Media Center and in the Windows Media Player Library.

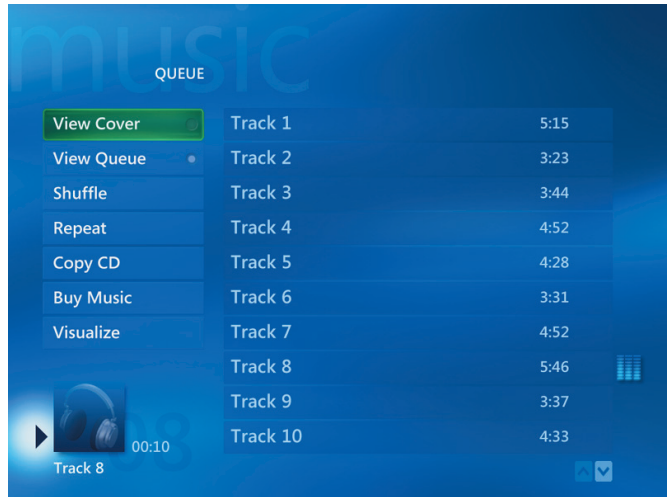
If you insert a music CD when Media Center is not open, a message appears asking what you want to do. You can select Windows Media Player as your default audio player. If you have another program set as the default audio player, Windows opens the program and begins playing the CD.



You can place all your music files into the My Music folder or into other folders on your hard disk drive, but you need to add those files to the Windows Media Player Library for Media Center to be able to find and play them.


Playing an album in My Music

- 1 Press the Media Center Start button  on the remote control.
- 2 Select **My Music**.
- 3 Insert a music CD into the CD drive.
- 4 Select **Albums**.
- 5 Select the album you want to play.
- 6 Select **Play**.



Playing a song in My Music

You can play a song from anywhere in My Music. You can select it from the View Song list, or from the Album, Artist, and Genre lists. You can also play a single song from a playlist:

- 1 Press the Media Center Start button  on the remote control.
- 2 Select **My Music**.
- 3 Select **Songs**. The list displays all the songs in your library.
- 4 Use the arrow buttons to select a song, and then press OK on the remote control to play it.



You can select *Visualize* in the Now Playing window to see a visualization while you play a music track.

Creating a Queue List in My Music

A *queue list* is a temporary list of songs that is created in My Music as you select songs, albums, or playlists to play. You can continue to add songs or you can delete songs from your queue list.

You can create a queue list and save it as a playlist that you can access in Media Center.

- 1 From the My Music window:
 - Select **Songs**, use the arrow keys to select a song you want, and then select **Add to Queue**.Or
 - Select **Albums** or **Playlists**, select an album or a playlist, and then select **Add to Queue** to add the entire album or playlist to the queue.
- 2 Use the Back button on the remote control to go back to the Songs, Albums, or Playlists menu if you want to select more songs to add to your queue list. Repeat step 1.
- 3 After you add the last song for your queue list, select **Play**. All songs in your queue list are played in the order you have selected them.

Finding and Playing an Album in My Music

- 1 In the Media Center Start menu, select **My Music**, and then select **Albums**.
- 2 Use the arrow buttons to select an album, and then press OK on the remote control. You can also press Play on the remote control to play the album. The Now Playing window opens, and the album starts playing.
- 3 In the Play window, you can also select:
 - **View Cover** to view cover art and play one track.
 - **View Queue** to view an ordered list of all tracks that will be played on the album.
 - **Shuffle** to rearrange the play order.
 - **Repeat** to play the album again.
 - **Copy CD** to copy an album into your Media Library.
 - **Buy Music** to connect to the Internet, find CD information, and buy music CDs. To go back to Media Center, press Start on the remote control.
 - **Visualize** to view a picture while listening to a song.
- 4 To return to the previous window, press Back on the remote control.

Creating a Playlist in My Music

A *playlist* is a customized list of songs you can keep to play later or record to CD. Using playlists, you can group various digital music files together and determine the order in which you want the files to play.

You can create a playlist that includes several tracks from various CDs or even a playlist that contains background music for a slide show.

You can create playlists in Windows Media Player or from within Media Center.

To create a playlist:

- 1 Select **My Music**, and then select either **Albums**, **Artists**, **Playlists**, **Songs**, or **Genres**.
- 2 Use the arrow buttons to navigate to the music you want to add to your playlist.
- 3 Press OK to select a song.


- 4 Select **Add To Queue**. A confirmation displays that the music was added to the list of music in the queue.
- 5 Select the inset window in the lower-left corner to go to the Queue.
- 6 On the Queue screen, select **Edit Queue**, and then select **Save As Playlist**.
- 7 Use the numeric keypad to enter a name for the playlist, and then select **Save**.



If your HP Digital Entertainment Center is connected to the Internet, the CD track titles and cover art appear in Media Center.

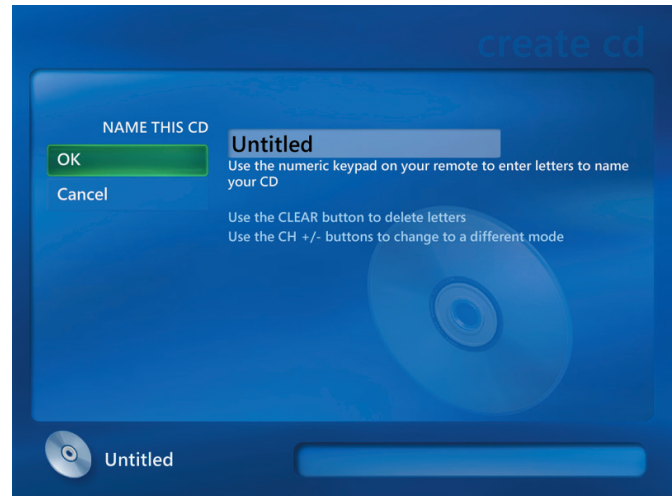
Copying Music Files to CD in My Music

To copy your music files to CD:

- 1 Press the Media Center Start button  on the remote control, and select **More Programs**.
- 2 Insert a blank CD-R disc.
- 3 Select **Create CD/DVD**.
- 4 Use the arrow buttons on the remote control to select the Untitled text box.
- 5 Use the numeric keypad buttons on the remote control to enter a name for your CD, and then select **OK**.
- 6 Select **Music**.
- 7 Select the music files to record. A check mark appears next to the song when it is selected. Use the Back button on the remote control to select more songs from different menus.
- 8 When you are finished adding songs, select **View CD** to see the songs you have selected. If you want to delete songs, use the arrow buttons on the remote control to select the X next to the song you want to delete. Press OK on the remote control to delete the song from your list of songs to be recorded to CD. This does not delete the song from your library.
- 9 Select **Create CD**.
- 10 Select **Yes**.



IMPORTANT: HP supports the lawful use of technology and does not endorse or encourage the use of our products for purposes other than those permitted by copyright law.



Working with Pictures

Use the HP Image Zone Plus and My Pictures areas in Media Center to view and print your pictures.

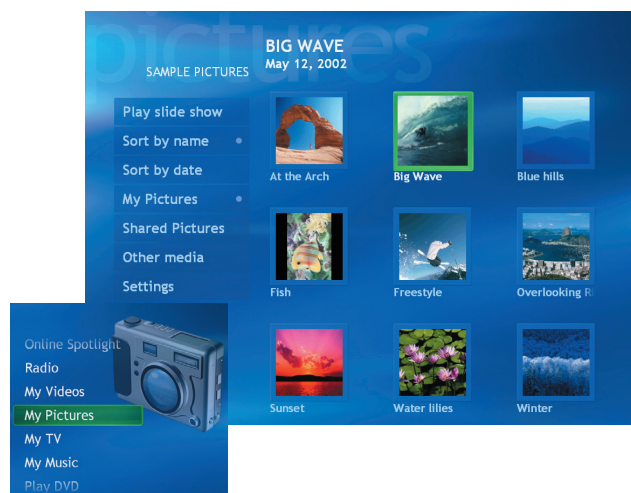
HP Image Zone Plus

HP Image Zone Plus is a software program located in your All Programs menu that works together with the HP Image Zone Plus area in Media Center. Both programs work together to organize, search for, and display your digital images. It is designed to organize your photos, scanned images, and video clips by date, keyword, or place. For more information about using HP Image Zone Plus, see “Using HP Image Zone Plus in Media Center” on page 54.



My Pictures

With My Pictures, you can view and print your pictures from the folders you create in the My Pictures directory in Windows Explorer. For more information about using My Pictures, see “Using My Pictures in Media Center” on page 65.



Working with Digital Images

You can connect a digital image source, such as a digital camera or a digital video camera, directly to the HP Digital Entertainment Center or through a docking station. Most digital picture files you copy or download from the device appear in the My Pictures folder.

You can copy digital picture files from the memory cards used by digital cameras and other digital imaging devices by using the memory card reader (select models only).

Using HP Image Zone Plus in Media Center

Some tasks you must do in the HP Image Zone Plus program on your desktop with your keyboard and trackball, and some tasks you can do from within Media Center with your remote control. For example, you must add your pictures to the HP Image Zone Plus program on the desktop before you can access them in HP Image Zone Plus area in Media Center.



For specific details on using the HP Image Zone Plus program, click the Help link in the control area of the program window.



HP Image Zone Plus menu in Media Center

Creating your picture catalog in HP Image Zone Plus

The first time you open the HP Image Zone Plus program, a message appears asking you if you want to create a catalog by indexing images in the My Pictures folder and its subfolders. This catalog allows you to search for your pictures by date, keyword, or place by using HP Image Zone Plus.

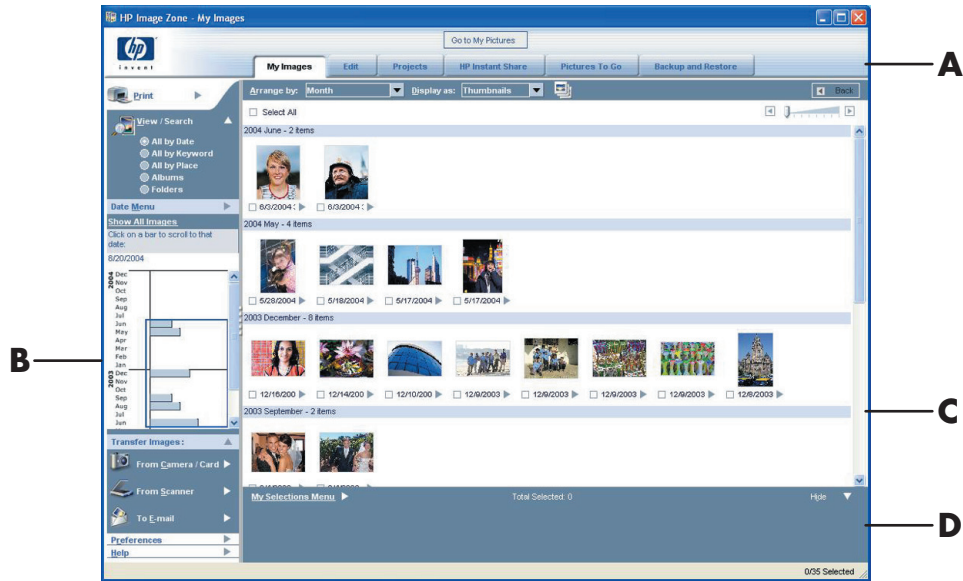
- 1 Using the trackball, double-click the **HP Image Zone Plus** icon on your desktop.



Or

Click **Start** on the taskbar, choose **All Programs**, **HP**, and then click **HP Image Zone Plus**. The HP Image Zone Plus window opens.

- 2 When the catalog message appears, click **OK** to index the images and place them in the HP Image Zone Plus catalog.
- 3 At the top of the gallery window, click the **My Images** tab (**A**), and then click the **Select All** check box below it to see all of the images in the catalog. You can also select a drive under the Folders Menu (**B**) to browse for images.
- 4 Click **Help** at the bottom of the window for more information about creating your picture catalog in HP Image Zone Plus.



- A** Mode tabs are used to choose a work area.
- B** The Preferences button is used to customize HP Image Zone Plus and change some tab settings.
- C** Gallery of images.
- D** Selection tray displays images that you have selected.



You can click **Go to My Pictures** at the top of the HP Image Zone Plus window to open the My Pictures folder in Windows Explorer.

Creating albums

You can organize your pictures into albums by using the HP Image Zone Plus program. After you create your picture albums in HP Image Zone Plus, you can then view them in Media Center.

To create an album:

- 1 Using your trackball, double-click the **HP Image Zone Plus** icon on the desktop.
- 2 Click the **My Images** tab.
- 3 Select the pictures that you want to place into an album.
- 4 Click **Albums** under View/Search.
- 5 Click **Albums**, and then select **New Album**.
- 6 To change the title of the album, just select it and type in a title using your keyboard. You can now view your albums in Media Center.



After you create your picture albums in the HP Image Zone Plus program, you can then view them in Media Center.

Modifying a date assigned to your pictures

Digital cameras and scanners assign a creation date to digital images. HP Image Zone Plus automatically recognizes this creation date and organizes your pictures by date.

To change a date:

- 1 Using your trackball, double-click the **HP Image Zone Plus** icon on the desktop.
- 2 Click the **My Images** tab, and then click **All by Date** under View/Search.
- 3 Select a picture to assign a new date.
- 4 Select a date, and then click **Set**.

Assigning a keyword to your pictures

- 1 Using your trackball, double-click the **HP Image Zone Plus** icon on the desktop.
- 2 Click the **My Images** tab, and then click **All by Keyword**.
- 3 Select your picture by clicking it. You can select more than one picture, if desired.
- 4 Click **My Selections Menu** at the bottom of the window, choose **Keywords**, and then click **Assign to All (New Keyword)**.
- 5 Select a keyword from the available keywords list, and then use the arrow button to add the keyword to the *Assign to all* box. Click **Assign**, and then click **OK**.

Or

Click **New**, type in a keyword, and then click **OK**. The new keyword is added to the keyword list. Use the arrow button to add the keyword to the *Assign to all* box.



You can assign more than one keyword. You can also edit or delete assigned keywords.

Assigning a place to your pictures

- 1 Using your trackball, double-click the **HP Image Zone Plus** icon on the desktop.
- 2 Click the **My Images** tab, and then click **All by Place** under View/Search.
- 3 Select your picture by clicking it. You can select more than one picture, if desired.
- 4 Click **Assign** and then click **Assign** again.
- 5 Click the map to find your location. Each time you click the map, it zooms in closer. Use the arrow buttons surrounding the map to move around on the map. When your location is in the center of the cross symbol, click **Assign**.


- 6 Click **OK**.
- 7 Click **Close**.



There are multiple ways to move around the HP Image Zone Plus map: you can click and drag or point and click the small globe.

Searching for pictures in HP Image Zone Plus

You can search for pictures by date, keyword, and place by using your remote control or trackball in Media Center. HP Image Zone Plus automatically organizes your pictures by date, based on the date assigned by the camera when the picture was taken or the date the picture was scanned.

- 1 Press the Media Center Start button  on the remote control.
- 2 Select **HP Image Zone**.
- 3 Select **Search**.
- 4 Select **By date**. Use the number keypad on the remote to enter the start and end date range. The date range of the pictures you selected is displayed in this window.

Or

Select **By keyword**. Select a keyword, and then press OK on the remote control.

Or

Select **By place**. Use the arrow buttons on the remote control to rotate the globe and numbers 1 through 5 to zoom in or out. When you have picked a location, press OK. Locations that have pictures assigned to them will have a colored dot on the map.




You must open the HP Image Zone Plus program from the desktop to assign dates, keywords, and places to your pictures.

Viewing Pictures in HP Image Zone Plus

Viewing a slide show in HP Image Zone Plus

When viewing images, you can view a slide show of all your images, individual albums, or pictures selected from a search.

- 1 Press the Media Center Start button  on the remote control.
- 2 Select **HP Image Zone**.
- 3 Select the pictures you want to view as a slide show, and then press OK. If you do not select the pictures you want to view as a slide show, Media Center displays all pictures.
- 4 Select **Play slide show**, and then press OK on the remote control.
- 5 Use the media playback keys on the remote control or the controls that appear at the top of the window to control the playback of your slide show.

Viewing a slide show with music in HP Image Zone Plus

- 1 Select **My Music** on the Media Center Start menu.
- 2 Select the music you want, and then press OK on the remote control. If the music doesn't start automatically, press the Play button on the remote control.
- 3 To go back to the Media Center Start menu, press Start on the remote control.
- 4 Select **HP Image Zone**.
- 5 Select the pictures, and then press OK.
- 6 Select **Play slide show**, and then press OK. When Media Center switches to full-screen mode, the inset window disappears, but the music continues to play.

Editing Pictures in HP Image Zone Plus

You can make changes to your pictures and video clips in HP Image Zone Plus. Some of the editing features include removing red eye, cropping or resizing images, rotating images, and adjusting the color, brightness, and sharpness of your images.

For more information about the editing tools, refer to the Help menu in the HP Image Zone Plus program.

Using supported picture file types with HP Image Zone Plus

HP Image Zone Plus supports the following types of image files, video files, and audio files.

File extension	File type
.jpg, .jpeg	Joint Photographic Experts Group
.tif, .tiff	Tagged Image File Format
.gif	Graphics Interchange Format
.bmp	Bitmap
.fpx	FlashPix Bitmap
.pcx	Bitmap Graphics
.pdf	Portable Document Format
.png	Portable Network Graphics

- Only supported image file types are displayed in My Pictures. Unsupported files are skipped in a slide show.
- Corrupted and unsupported image file types display a generic image icon but cannot be displayed in Media Center.
- Some file types are supported only if appropriate filters and software are installed.



If the message *Image cannot be displayed* appears, the file may be corrupted, or it may be an unsupported file type. You may need to edit your image with a photo editor and save it in a supported file format.

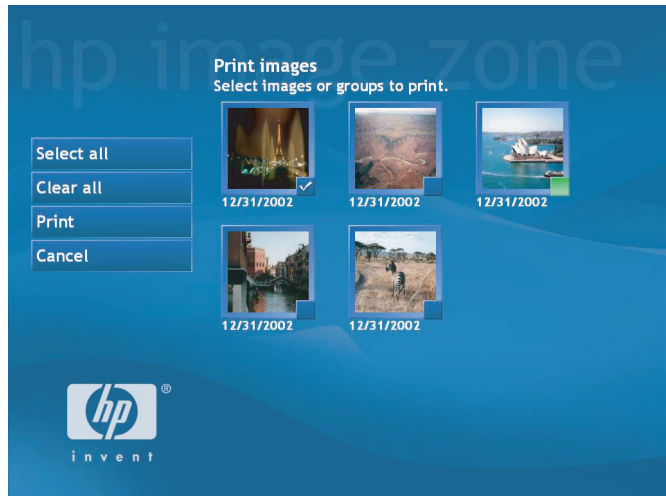
Printing Pictures in HP Image Zone Plus

- 1 Press the Media Center Start button  on the remote control.
- 2 Select **HP Image Zone**.
- 3 Select the picture group you want to print from.
- 4 Select **Print images**.
- 5 Select the picture you want to print.
- 6 Select **Print**. Follow any onscreen instructions.

You need to set up your printer before you can print from Media Center.



You cannot use the Print button on the remote control in HP Image Zone Plus.



Creating a Backup Disc of Your Pictures



Any images you have not organized and edited in HP Image Zone Plus will not be backed up.

Create an incremental backup disc of images you have put into HP ImageZone Plus.

- 1** Click **Start**, **All Programs**, **HP**, **HP ImageZone Plus**, and then click **HP ImageZone Plus** again.
- 2** Select the **Backup and Restore** tab, and then click **Backup** on the left side of the window.
- 3** Click **Start backup**.
- 4** Select **Full backup** or **Incremental backup**, and then click **Next**.
- 5** Select your media type and then select your drive from the drop-down list, and click **Next**.
- 6** Insert a blank disc, and then click **Write disc**.
- 7** Follow any onscreen instructions.

Burning a Label on a LightScribe Media Disc

Creating a label with LightScribe is a separate process from recording data, music, or picture files onto a disc. Depending on the LightScribe software you use, you can create a label before or after you burn files onto the disc. Labels can be a simple title and contents list, or you can get more creative by adding backgrounds and images.

There are two ways to create a LightScribe disc label in HP Image Zone Plus. You can create a simple backup label or a more customized label. The backup label contains a disc title, the name of the person logged in, and the date and time the label is recorded and takes about 3 to 7 minutes to print. A customized label can contain different formats and pictures and can take up to 40 minutes to print, depending on how much data

is on the label. You can continue to work on your HP Digital Entertainment Center while LightScribe is burning the label. Both labels have a grayscale image similar to a black and white photograph.



You must use LightScribe media discs that are designed to work with the LightScribe recording software and are sold separately.

Creating a simple backup disc label with HP Image Zone Plus

- 1 Click **Start, All Programs, HP, HP ImageZone Plus**, and then click **HP ImageZone Plus** again.
- 2 Select the **Backup and Restore** tab, and then click **Backup** on the left side of the window.
- 3 Click **Start backup**.
- 4 Select **Full backup** or **Incremental backup**, and then click **Next**.
- 5 Select your media type, make sure the Use LightScribe Media check box is selected, and then click **Next**.
- 6 Select the LightScribe drive from the drop-down list, and then click **Next**.
- 7 Insert a blank disc, and then click **Write disc**. If you want to create a LightScribe label for your backup disc, insert a LightScribe disc with the label side up.
- 8 After the backup is complete, turn your disc over with the label side facing down, and then click **Write Label**.
- 9 When the label is complete, click **Next**, and then click **Finish**.

Creating a customized disc label with HP Image Zone Plus

- 1 Click **Start, All Programs, HP, HP ImageZone Plus**, and then click **HP ImageZone Plus** again.
- 2 Select the **Backup and Restore** tab, and then click **Backup** on the left side of the window.
- 3 Click **Print LightScribe label**.
- 4 Insert disc, and click **OK**. The Sonic Express Labeler program opens.
- 5 Click **Text** and then enter your text for Title and Subtitle.
- 6 For each line of content description, click **New** and enter text for the information you want to include, and then click **OK**.
- 7 Click **OK** again when finished adding all the contents information.
- 8 Select a label template by clicking **Layout** and choosing a layout.
- 9 Select a background, if desired, by clicking **Background**. Select one of the provided backgrounds or click **More** to find one of your own images to use as a background.
- 10 When you are satisfied with the appearance of your label design, insert the LightScribe disc (label side down) into the disc drive tray and then click **Print**.



If a message is displayed that the disc is not recognized, you may not have the correct media or you may need to flip the disc over to record your label. To record the label, the disc must be placed label side down in the disc tray.

- 11** From the Disc Label menu, select **LightScribe 12cm Disc**.
- 12** Select a Contrast Level and then click **OK** to begin burning the label. The disc is ejected when the label is complete.

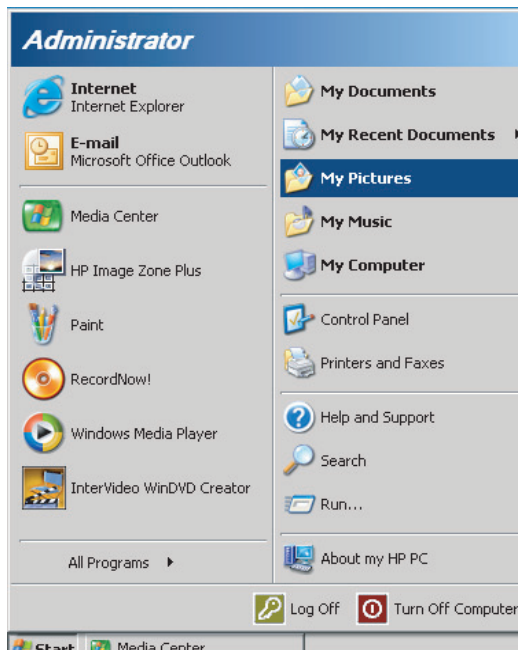


A sudden bump or vibration of the HP Digital Entertainment Center during the labeling process may affect the quality of the label.

Using My Pictures in Media Center

My Pictures is a folder on your hard disk drive in the My Documents folder, and it is a Media Center menu item that allows you to view and search for your digital images by using the remote control or the keyboard and trackball.

It provides all the tools you need for viewing, organizing, editing, printing, sharing, and protecting your digital images.




My Pictures folder in Windows Explorer



My Pictures menu in Media Center

Adding Pictures to My Pictures


Adding picture files from your hard disk drive

- 1 Press the Media Center Start button  on the remote control, and then select **My Pictures**.
- 2 Press the More information button on the remote control and select **Add Pictures**.
- 3 Select **Add folders**, and then select **Next**.
- 4 Select **Add folders on this computer**, and then select **Next**.
- 5 Use the arrow buttons on the remote control to select a location. Press the OK button to expand a folder. When you find the folder that contains your picture folder, select it by making sure an arrow appears next to the folder. Repeat this step to add additional folders, and then select **Next**.
- 6 Select **Finish**.



Viewing Pictures in My Pictures

After you organize your pictures in the My Pictures folder in Windows Explorer, open Media Center to view your pictures:



- 1 Press the Media Center Start button  on the remote control.
- 2 Select **My Pictures**. The right side of the window shows a small picture image (thumbnail) and, if you've organized your pictures into folders, folder icons. The pictures are displayed just as you organized them in the My Pictures folder in Windows Explorer.
- 3 Use the arrow buttons on the remote control to move through your picture files and folder files, and select a picture.
- 4 Press OK to select a picture or folder to view. The selected picture opens in full-screen mode.
- 5 Press OK again to zoom in 150%; press OK again to zoom in 225%. Press the arrow buttons to pan across a picture. To return the picture to the original size, press OK a third time.



From the My Pictures menu, you can select Settings to:


- Select a slide transition, slide time delay, and a background color.
- Include picture folders you have created.
- Show captions.
- Display your pictures randomly.
- Show song information during slide show.

Viewing pictures as a slide show

- 1 Press the Media Center Start button  on the remote control.
- 2 Select **My Pictures**.
- 3 Select the folder of pictures you want to view as a slide show, and then press OK.
- 4 Select **Play Slide Show**, and then press OK.
- 5 Press the More information button on the remote control, and then select **Picture Details**. The picture name, location, last modification date, and resolution appears, if available. 
- 6 Press the Back button to go to a previous picture. Use the arrow buttons to display the next or previous pictures.

If you do not select the pictures you want to view as a slide show, Media Center uses the first folder listed. If you have picture files that are not stored in folders you created, Media Center plays all files stored in the My Pictures folder.

Viewing a slide show with music in My Pictures

- 1 Select **My Music** on the Media Center Start menu.
- 2 Select the music you want, and then press OK on the remote control. If the music doesn't start automatically, press the Play button on the remote control.
- 3 Press the Media Center Start button  on the remote control to go back to the Media Center Start menu.
- 4 Select **My Pictures**.
- 5 Select the folder of pictures, and then press OK.
- 6 Select **Play Slide Show**, and then press OK. When Media Center switches to full-screen mode, the inset window disappears but the music continues to play.

Using supported picture file types in My Pictures

You can view the following types of image files in Media Center.

File extension	File type
.jpg, .jpeg	Joint Photographic Experts Group
.tif, .tiff	Tagged Image File Format
.gif	Graphics Interchange Format
.bmp	Bitmap
.wmf	Windows MetaFile
.png	Portable Network Graphics

- Only supported image file types are displayed in My Pictures. Unsupported files are skipped in a slide show.

- Folder icons appear even if the images inside them cannot be displayed.
- Corrupted and unsupported image file types display a generic image icon but cannot be displayed in Media Center.
- Some file types are supported only if appropriate filters and software are installed.

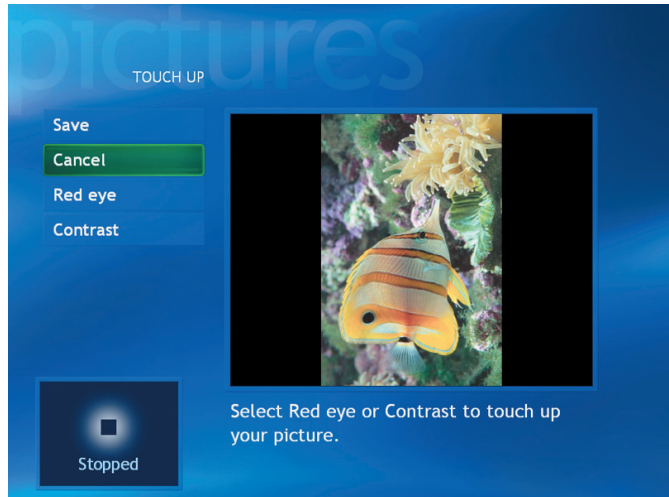


If the message *Image cannot be displayed* appears, the file may be corrupted or it may be an unsupported file type. You may need to edit your image with a photo editor and save it in a supported file format.


Editing Pictures in My Pictures

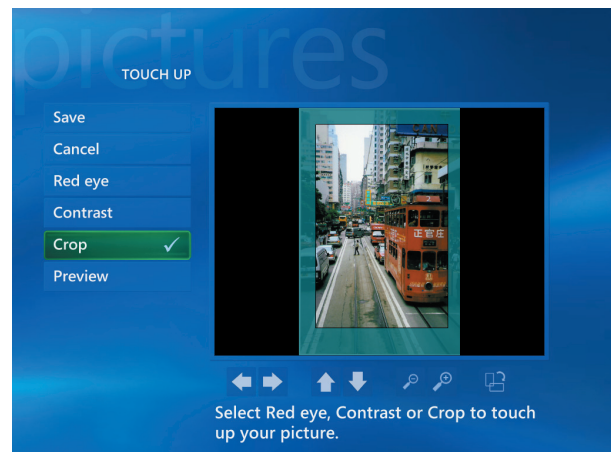
Fixing red eye or contrast

- 1 Press the Media Center Start button  on the remote control.
- 2 Select **My Pictures**.
- 3 Select the picture you want to edit.
- 4 Press the More information button on the remote control, and then select **Picture Details**.
- 5 Select **Touch Up**.
- 6 Select **Red Eye** or **Contrast**, and then press OK.
- 7 After you select the options you want to fix, select **Save**. The picture is displayed with the new settings.
- 8 Select **Yes** to save changes and replace the original picture file.



Cropping pictures in My Pictures


- 1 Press the Media Center Start button  on the remote control, and select **My Pictures**.
- 2 Select the picture you want to edit.
- 3 Press the More information button on the remote control, and then select **Picture Details**.
- 4 Select **Touch up**, and then select **Crop**.




- 5 Select the arrows under the picture to move the picture side to side, up or down. Select the magnifying glass to move the cropping tool in or out. Select the rotate tool to move the cropping tool to a vertical or horizontal position.
- 6 After you select the options you want to fix, select **Save**. The picture is displayed with the new settings.
- 7 Select **Yes** to save changes and replace the original picture file.

Rotating pictures

If your picture appears horizontally or vertically and you want to change the orientation, you can change it in Media Center:

- 1 Press the Media Center Start button  on the remote control.
- 2 Select **My Pictures**.
- 3 Select the picture you want to rotate.
- 4 Press the More information button on the remote control, and then select **Picture Details**.
- 5 Select **Rotate**, and then press the OK button on the remote control.

Printing Pictures in My Pictures


- 1 Press the Media Center Start button  on the remote control.
- 2 Select **My Pictures**.
- 3 Select the picture you want to print.
- 4 Press the More information button on the remote control, and then select **Picture Details**.
- 5 Select **Print**, and then select **Print** again.
- 6 Follow any onscreen instructions.

You may need to set up your printer before you can print from Media Center.



Copying Pictures to CDs and DVDs

You can copy your pictures to CDs and DVDs in Media Center or by using the RecordNow! program. Refer to “Creating (Burning) CDs and DVDs with RecordNow!” on page 83. You can also create a LightScribe label for your CD or DVD if you have a LightScribe optical drive and you use LightScribe media discs. Refer to “Disc Labeling with LightScribe” on page 92.

- 1 Press the Media Center Start button  on the remote control.
- 2 Select **More Programs**.
- 3 Insert writable media (CD-R, CD-RW, DVD+R, or DVD+RW) into the drive.
- 4 Select **Create CD/DVD**.
- 5 Select the Untitled area, and enter the name of your disc by using the numeric keys on the remote control, and then select **OK**. Use the Clear button to delete letters.

- 6 Select **Pictures**.
- 7 Select the pictures you want to copy. A check mark appears next to a picture when you select it.
- 8 Select **View CD/View DVD**. From here you can delete a picture, add more pictures, or change the name of your disc.
- 9 After you have selected all of your pictures, select **Create CD/Create DVD**.
- 10 Select **Yes**. Media Center displays a message when your disc has been created.



In Media Center, all pictures are copied to CDs as .jpg files.

Playing Videos

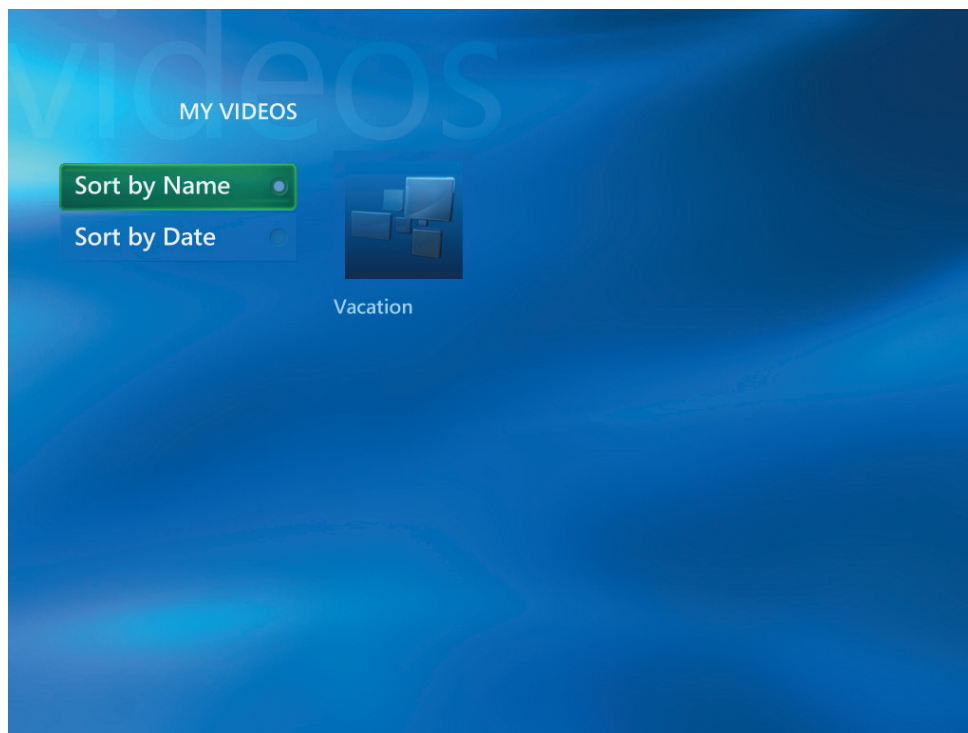
The My Videos window in Media Center makes it easy to play home video files you created or video files you downloaded from the Internet.

In My Videos you can:

- Play videos that are stored anywhere on your hard disk drive.
- Create a CD or DVD of your video files.
- View your videos in full-screen mode or from an inset window in Media Center.
- Display your video details, such as the name and date your video file was modified.
- View small image (thumbnail) and title of video file.



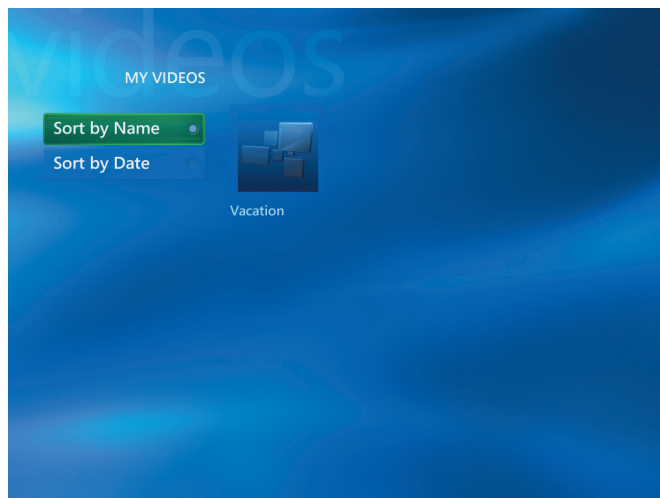
Each user has a separate My Videos folder that can be opened only by that person. You can share videos with others by storing them in the Shared Video folder.



Playing Digital Videos in Media Center

After you organize your videos in the My Videos or Shared Video folder in Windows Explorer, open Media Center to watch your videos.

- 1 Press the Media Center Start button  on the remote control.
- 2 Select **My Videos**.
- 3 Select the video folder you want, and then press OK. The video folder opens, displaying a list of video files. You may need to use the scroll arrows at the bottom of the window to display all videos.
- 4 Select the video file, and press OK again. The video plays in full-screen mode. Use the trackball to resize the window if you want to watch your video while doing something else on your desktop.
- 5 To exit full-screen mode and return to the previous window, press Back on the remote control. Your video continues to play in the inset window.
- 6 When the video is finished, select **Restart**, and then press OK to replay the video, or select **Done** to close the file and return to the My Videos window.



- Use the trackball to select the up and down arrows at the bottom of the window to scroll to other pages of video files and folders.
- You can maximize the media playing in the inset window by using the arrow buttons to select the inset window and then pressing OK on the remote control.

Using Supported Video File Types

You can view the following types of video files in Media Center. Other file types are supported if your HP Digital Entertainment Center has the correct software installed.

File extension	File type
.avi	Video file
.mpeg, .mpg, .mpe, .m1v, .mp2, .mpv2	Movie file
.wm, .asf	Windows Media file
.wmv	Windows Media A/V file



For more information about supported video file types, refer to Media Center Help menu.

Transferring and Recording Video Files

Once you capture your video by using video capture and editing software, you can use Media Center to find it and add it to your My Videos area.

Recording an analog video file


Refer to “Capturing analog video” on page 104 for more information about capturing and recording videos to DVDs or CDs from an analog video camera.

Recording a digital video file

Refer to “Identifying requirements for capturing video” on page 102 and “Capturing digital camcorder video” on page 103 for more information about recording videos to DVDs or CDs from a digital camera.

Creating a CD/DVD from Video Files


To create a CD/DVD from your videos:

- 1 Press the Media Center Start button  on the remote control.
- 2 Select **More Programs**.
- 3 Insert writable disc (CD-R, CD-RW, DVD+R, or DVD+RW), and then select **OK**.
- 4 Select **Create CD/DVD**.
- 5 Select the Untitled area and enter the name of your disc by using the numeric keys on the remote control, and then select **OK**. Use the Clear button to delete letters.
- 6 Use the arrow buttons on the remote control to select **Video**, and then select **OK**.
- 7 Select the video file you want to copy, and then select **View CD/View DVD**.
- 8 Select **Add More** if you want to add additional video files to your disc.
- 9 Select **View CD/View DVD** to check the contents of your disc before recording them.
- 10 Select **Create CD/Create DVD** to begin recording the disc, and then select **Yes**.

Playing DVDs

Watching DVDs in Media Center allows you to control the playback with your remote control. If you play your DVD in another program outside of Media Center, you will not be able to use the remote control.

Playing DVD Movies in Media Center

- 1 Press the Media Center Start button  on the remote control.
- 2 Insert the DVD into the drive. If you have other media playing, Media Center asks if you want to play the DVD. Select **Yes** or **No**. If you don't select an option, the DVD autoplays in full-screen mode after a few seconds.

Or

If the DVD is already in the drive, select **Play DVD** from the main start menu. The DVD movie begins playing in full-screen mode.

- 3 If a DVD menu appears, use the remote control or the trackball to select the DVD menu items and control the DVD movie playback.
- 4 To stop playing the DVD, press Stop on the remote control.
- 5 To change the window size while the DVD movie is playing, move the trackball for the Resize icon to appear.



- 6 Click the **Resize** icon on the taskbar, and then you can manually adjust the window size.

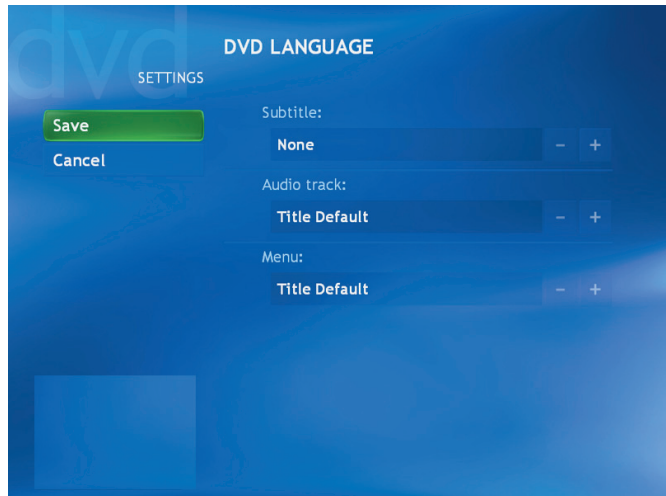


To view more information about a DVD that you are watching, such as the DVD title, chapter title, genre, parental rating, length and current position, press the **More information** button on the remote control.

Changing the DVD Movie Language


To select DVD language settings for subtitles, closed captioning, and viewing the DVD:

- 1 In the Media Center Start menu, select **Settings**.
- 2 In the Settings window, select **DVD**.
- 3 In the DVD Settings window, select **Language**.
- 4 Use the arrow buttons on the remote control to select (+) or (-). Press OK on the remote control to scroll through the languages available.
- 5 When you find the one you want, use the arrow buttons to select **Save**, and then press OK on the remote control.
- 6 To return to the main Settings window, press the Back button.



Changing DVD Audio Settings

To select DVD audio settings for viewing the DVD:

- 1 Press the Media Center Start button  on the remote control
- 2 Select **Settings**.
- 3 Select **DVD**.
- 4 Select **Audio**. The Audio Properties window opens.
- 5 Using your trackball or keyboard, select your speaker and sound options, and then click **OK**.

Listening to FM Radio

If your HP Digital Entertainment Center is equipped with a radio tuner input (FM TUNER IN), Media Center can play FM radio. The Radio window in Media Center makes it easy to play FM radio stations using your remote control.

In Radio you can:


- Listen to FM radio stations.
- Set up pre-sets of your favorite radio stations.
- Delete or organize your radio station pre-sets.
- Use the time-shifting features: pause, rewind, and fast-forward up to 30 minutes of radio programs.



Make sure you connect the FM radio antenna to the back of the HP Digital Entertainment Center before selecting an FM radio station. This antenna is for select models only.



Playing FM Radio Stations

- 1 Connect the FM radio antenna to the back of the HP Digital Entertainment Center, to the connector labeled FM ANTENNA IN.
- 2 Press the Media Center Start button  on the remote control.
- 3 Select **Radio**.
- 4 Enter a radio station number by using the numeric keypad on the remote control or your keyboard.

Or

Select the **Seek** (–) or (+) buttons for Media Center to find the next playable station.

Or


Select the **Tune** (–) or (+) buttons to manually find a station.

- 5 If you want, select **Save** to save it as one of your nine pre-set stations.
- 6 Select **Start FM** to begin playing that station.



- 7 Use the playback controls on the remote control, such as Pause, Rewind, and Fast-Forward to control radio playback. If you press the Pause button, Media Center continues to record the program for up to 30 minutes. Press Play to resume listening to the program where you left off.
- 8 Select **Back** to return to the previous window.

Organizing Pre-set Radio Stations

1 Press the Media Center Start button  on the remote control.

2 Select **Settings**.

3 Select **Radio**.

4 Select the up arrows and down arrows next to each pre-set station to move it to a different position.



Or

Select the Delete icon (X) to delete a pre-set station.



Or

Select **Auto Sort** to sort your pre-set stations in numerical ascending or descending order.

5 Select **Save** to save your changes.

6 Select **Back** to return to the previous window.



Using the FM Radio and the TV Signal at the Same Time

The FM radio signal and My TV input signal share a single tuner card. This means that you are unable to watch or record TV and listen to FM radio at the same time unless you have two TV tuners. When Media Center is scheduled to start a recording, a warning appears that says FM radio stops when the TV recording starts. If you do not select **Cancel recording**, then Media Center automatically stops radio and begins recording TV.

Creating (Burning) CDs and DVDs

You can make your own music or data CDs if your HP Digital Entertainment Center has a CD-RW or DVD Writer, or double-layer drive (select models only).

Your HP Digital Entertainment Center has four recording software programs: iTunes, Windows Media Player, Sonic RecordNow!, and Windows XP.

You can copy or download music to its library and can then organize or copy the music files. You can copy Windows Media files that have a .wma extension, .mp3 files, or .wav files to a CD by using a CD-RW drive or a DVD Writer drive. You can also use iTunes or Windows Media Player to copy music files to a portable device or memory card.

CD-R discs are compatible with more players than CD-RW discs.



Burn is an industry term used to describe the recording of information onto a DVD or CD. Optical recording uses a laser beam to place information onto the disc, thus the term *burning*.

If your recording fails, manually select a slower recording speed, if available, each time you make a recording. Refer to the Help menu in your selected software program for more information about selecting a slower recording speed.

Creating (Burning) CDs and DVDs with RecordNow!



RecordNow! allows you to record your music, video, and data files to disc in a few easy steps. Open the RecordNow! program, select one of the tabs listed below, and then follow the onscreen instructions to create a CD or DVD with RecordNow!.

Audio: Create a music CD for a car or home CD player, or for a PC.



Data: Create or add to an appendable data disc.



Backup: Create a backup copy of your important files.

Video: Make an exact copy of a video disc in your collection.

For more information about recording CDs and DVDs, refer to the Help menu in the RecordNow! software program.

Verifying disc recorded without errors

When writing data to disc, such as a backup CD, it is recommended that you use RecordNow! because it offers the feature that allows you to know if your disc has recorded without errors. RecordNow! enables this setting as a default selection.

To check the status of this verify setting:

- 1 Using the trackball, click **Start** on the Windows taskbar.
- 2 Choose **All Programs**.
- 3 Click **Sonic RecordNow!**, and then click **RecordNow!** again.
- 4 Click **Options** (wrench icon).
- 5 Select **Data**.
- 6 Make sure "Verify data written to the disc after burning" has a checkmark in the check box.



Erasing rewritable discs before recording

Previously recorded files on CD-RW discs must be erased before recording music files. CD-R discs cannot be erased.

To erase a rewriteable disc:

- 1 Using the trackball, click **Start** on the Windows taskbar.
- 2 Choose **All Programs**.
- 3 Click **Sonic RecordNow!**, and then click **RecordNow!** again.
- 4 If you need to erase a disc (CD-RW or DVD+RW): Insert the disc, select the **Home screen** (house icon) tab, and then **Erase Disc** under the Home Screen tab.

Creating music CDs with RecordNow!

RecordNow! creates *closed-session* music CDs, which means you must record all music files on one CD in one recording session. Music files can be recorded repeatedly on a rewritable CD-RW disc, but all previously recorded files must be erased first. CD-R discs cannot be erased.

CD-R discs play in most home and car stereos. CD-RW discs play only in some stereos.

You can use RecordNow! to create audio CDs to play in your car or home CD player, or on your HP Digital Entertainment Center.



IMPORTANT: HP supports the lawful use of technology and does not endorse or encourage the use of our products for purposes other than those permitted by copyright law.

Creating CDs to play in your car or home CD players

1 Using the trackball, click **Start**, choose **All Programs, Sonic RecordNow!**, and then click **RecordNow!** again.

2 Select the **Audio Projects** tab.

3 Select **Audio CD for Car or Home CD Player**.

4 Insert a music CD to view the tracks on your CD. Select **View** if you would like to look at another optical drive.



Or

Click **Find**, and then click either **Scan for Music** or **Browse** to find music files on your hard disk drive that you want to record.

5 Select the tracks you want to record, and then click **Add**.

6 Click the **Burn** icon when you have added all the audio files to your music CD project.



7 Click **Yes**.

8 When prompted, insert a blank CD-R or CD-RW disc. If you want to play your music CD in your home or car stereo, use a CD-R disc. CD-RW discs may not play in some stereos.

9 Click **OK**.

10 Click **Done** when recording is complete.

Click the **Help** icon, and then select **RecordNow! Help** for more information about recording music CDs with the RecordNow! program.



Press and hold Control (Ctrl) on your keyboard to select more than one track.

Creating CDs to play on your HP Digital Entertainment Center

1 Using the trackball, click **Start**, choose **All Programs, Sonic RecordNow!**, and then click **RecordNow!** again.

2 Click the **Audio Projects** tab.



3 Select **Jukebox CD**.

4 Insert a music CD to view the tracks on your CD. Click **Find**, and then click either **Scan for Music** or **Browse** to find music files on your hard disk drive that you want to record.

5 Select the tracks you want to record, and then click **Add**. Press and hold the Control (Ctrl) key to select more than one track.

6 Click the **Burn** icon when you have added all the audio files to your music CD project.



7 Click **Yes**.

- 8 When prompted, insert a blank CD-R or CD-RW disc. If the CD-RW disc is not blank, RecordNow! prompts you to erase it and then automatically begins writing to it when it is erased. If you want to play your music CD in your home or car stereo, use a CD-R disc. CD-RW discs may not play in some stereos.
- 9 Click **OK**.
- 10 Click **Done** when recording is complete.

Click the **Help** icon, and then select **RecordNow! Help** for more information about recording music CDs with the RecordNow! program.



RecordNow! scans for all audio files, even the sounds from your operating system. If you don't want to display some of these sounds, you can select the Options icon (wrench), and then select Audio. Select Hide audio files shorter than (in seconds), and then type the number of seconds and click OK.

Creating a music CD

When recording music files, it is important to note that:

- To play your music CD in a home or car stereo, it needs to be recorded as a music CD in CD Audio (CDA) format, not as a data CD.
 - You must record all music files in one recording session because RecordNow! closes the CD after recording is complete. Music files can be recorded repeatedly onto a rewritable (CD-RW) disc, but all previously recorded music files must be erased first.
 - As you add music files in the recording session, RecordNow! calculates and displays the amount of recording time available to record additional music files.
 - You can't record song titles unless you make an exact copy of a music CD in your collection.
- If you try to record more than a standard CD can hold, RecordNow! displays a message warning you that all the tracks may not fit on your disc.



IMPORTANT: HP supports the lawful use of technology and does not endorse or encourage the use of our products for purposes other than those permitted by copyright law.

Storing Files on a DVD or CD

Unlike music CDs, data DVDs and CDs can be recorded in multiple sessions:

- 1 Using the trackball, click **Start**, choose **All Programs**, **Sonic RecordNow!**, and then click **RecordNow!** again.

- 2 Select the **Data Projects** tab.

- 3 Insert a blank or appendable CD-R, CD-RW, DVD+R, DVD+RW, or double-layer DVD+R (select models only) disc into your drive, and then click **Data Disc**.



- If the disc is blank, follow the onscreen instructions.

Or

- If the disc is full, insert a blank or another appendable disc.

Or

- If you are adding files to a disc, follow the onscreen instructions.

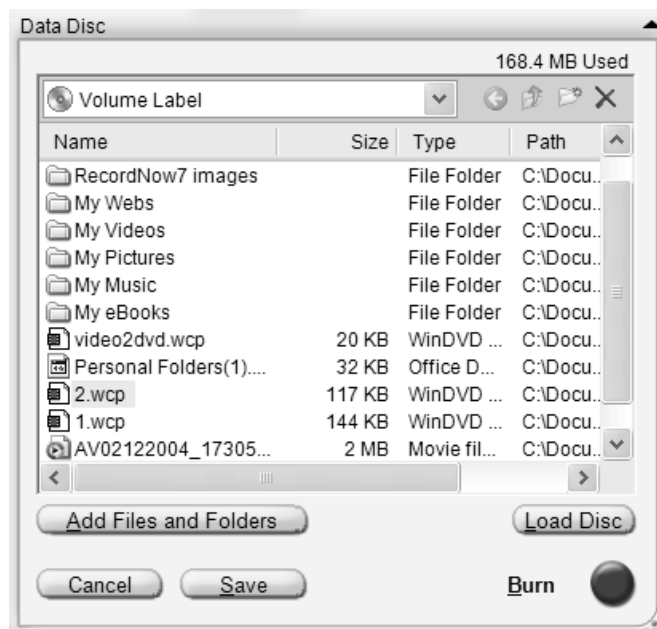
- 4 To name your disc, select **Volume Label**, and then type a name over it. RecordNow! assigns a name based on the recording date if you don't type a name.

- 5 Add your data files to the file selection window:

- Click the **Add Files and Folders** button, find and select your folders and files, and then click **Add**. Repeat this step until all files are added.

Or

- Drag your file from your desktop or from anywhere in Windows Explorer into the file selection window. Repeat this step until all files are added.



- 6 Click the **Burn** icon when all of your files have been added.



- 7 Click **Done** when recording is complete.

Click the **Help** icon, and then click **RecordNow! Help** for more information about recording data files with the RecordNow! program.



An appendable disc can have additional files added to it, if there is disc space available. Recorded audio CDs are closed-session discs that are not appendable.



You can rename your files in the file selection window by selecting and typing over the current name. This does not affect the original files on your hard disk drive.

Storing data files on disc

When storing data files on a disc, it is important to note that:

- You can add new data files to a CD-R and a DVD+R in a later recording session, until the disc is full. With DVD+R discs, you need to select the correct setting in RecordNow! to record files in a later session. To do this, insert your recorded DVD, open RecordNow!, click the **Options** icon (wrench), click **Data**, select the recording option you want, and then click **OK**.



- When you record files that have the same name as previously recorded files, RecordNow! updates the file and the previous version is overwritten.
- RecordNow! allows you to change the names of files you want to record and the files that were previously recorded.
- As you select data files to record to your disc, RecordNow! calculates and displays the amount of recording space used on your disc.

Copying a DVD or CD

RecordNow! allows you to make a copy of a music or data disc from your collection.

To make a copy of a music or data disc from your collection:

- 1 Using the trackball, click **Start**, choose **All Programs, Sonic RecordNow!**, and then click **RecordNow!** again.
- 2 Select the **Data Projects** tab.
- 3 Select **Exact Copy**.

- 4 Insert the CD or DVD you want to copy.
- 5 Click the **Copy** icon.
- 6 Insert a blank DVD or CD into the drive, and then click **OK**.
- 7 Click **Done** when the recording is complete.



IMPORTANT: HP supports the lawful use of technology and does not endorse or encourage the use of our products for purposes other than those permitted by copyright law.

Archiving Files on a CD or DVD

- 1 Using the trackball, click **Start**, choose **All Programs, Sonic RecordNow!**, and then click **RecordNow!** again.
- 2 Select the **Backup Projects** tab.
- 3 Select **File Archive**.
- 4 Insert a blank CD or DVD into the drive.
- 5 Place a check mark in the **Changed since** box to limit the scan to files that have been changed since the last time you completed a file archive.

- 6 Add your files to the Archive window:

- Select one or more categories from the list on the left, and click **Scan**. RecordNow! scans your hard disk drive for files related to the category and moves them to the Archive window on the right.

Or

- Drag files from the Windows Explorer to the Archive window.

- 7 Click the **Burn** icon when all of your files have been added.



If the files do not fit on one disc, File Archive asks you for additional discs.

- 8 Click **Done** when recording is complete.

Creating an Image File

RecordNow! can take all the files from a CD or DVD and convert them into a single file called an *image file*. You can use the image file to reproduce the original disc. This is often used when you need to make multiple copies of the same disc.

Saving an Image

- 1 Click **Start**, choose **All Programs**, **Sonic RecordNow!**, and then click **RecordNow!**.
 - 2 Select the **Backup Projects** tab.
 - 3 Select **Save Image**.
 - 4 Insert the source disc into the drive.
 - 5 Click **Browse** to set the destination and name of the image file.
 - 6 Click the **Save** icon to create the image file.
-

Burning an Image

- 1 Click **Start**, choose **All Programs**, **Sonic RecordNow!**, and then click **RecordNow!**.
- 2 Select the **Backup Projects** tab.
- 3 Select **Burn Image**.
- 4 Click the **Browse** button to locate your saved image file.
- 5 Click the **Burn** icon.
- 6 Insert a blank recordable CD or DVD into the drive.
- 7 Click **Done** when recording is complete.



Recording Video Files

Video quality depends on the quality of the source files, the PC speed, and its graphics processing ability. For more information about recording VHS files to DVD, refer to “Recording VHS files direct to DVD” on page 110.



Your DVD Writer or CD Writer drive will not copy commercially available DVD movies. Most commercial DVDs are encoded to prevent unauthorized duplication.

Using Disc Labels



When labeling your DVDs, do not use sticky labels. They can cause the DVD to play erratically. Instead, write on the DVD with a felt-tip pen to label it.

Or, you can create a LightScribe label for your disc if you have a LightScribe optical drive and you use LightScribe media discs. Refer to “Disc Labeling with LightScribe” on page 92.

Disc Labeling with LightScribe

LightScribe (select models only) is a direct disc labeling technology providing you a simple way to burn precise, silk-screen quality labels. It combines the CD or DVD drive of your HP Digital Entertainment Center with specially coated discs (sold separately) and enhanced disc-labeling software.

A LightScribe-enabled CD or DVD disc drive uses the optical laser in the drive to burn a label onto a thin dye coating on the label side of the disc. There is no ink to smear or paper to curl, and there are no adhesives to loosen.

LightScribe media is identified by the LightScribe logo on the retail packaging and on the inner hub area of the disc itself. Your HP Digital Entertainment Center comes ready to work with many versions of LightScribe media; however, as new media versions are introduced you will need to update the driver software for your LightScribe-enabled CD or DVD drive. Get driver updates from the HP Support Web site.

LightScribe requirements

Burning a label with LightScribe requires three things:

- LightScribe-enabled DVD drive
- LightScribe software
- LightScribe discs (sold separately)

Burning a label on a LightScribe media disc

You can burn the label before or after you burn the disc with data, music, or picture files. Labels can be a simple title and contents list or you can get more creative by adding backgrounds and images.

You can design and burn the label with InterVideo Disc Label or Sonic Express Labeler.

- 1 Click **Start, All Programs, InterVideo DiscLabel**, and then click **InterVideo DiscLabel** again.
- 2 Select a template style from the Template menu, and click **Apply**.
- 3 Double-click the title text box, if present, or click **Add Text**.
- 4 Type the text into the Rich Text Edit window, and then click **OK**.
- 5 With the text box selected (click the box once), use the Text toolbar to modify the font, color, and other text properties.
- 6 Double-click the list text box, if present, or click **Add List** to add a list of contents to the label.
- 7 Click **Add** to add a row to the list.

- 8 Move the cursor over a list row item (Title, Artist, Length), and double-click to edit the item.
- 9 Click **OK** when you are finished with the list.
- 10 Click **Edit Background**, and then click **Change Background** to add a background image to the label.



LightScribe creates a grayscale (monochrome) image similar to a black and white photograph.

- 11 Click **Add Image** and follow the onscreen instructions to browse to and select an image file. InterVideo Disc Label supports .jpg, .bmp, and .png image files.
- 12 Click and drag the image to the area you want it to appear on the label. You can resize the image by clicking and dragging the sides or corners of the image.



To remove an image from the label, click the image, and then press Delete on your keyboard.

- 13 When you are satisfied with the appearance of your label design, click **LightScribe Print**. Click **Print**, insert the LightScribe media (label side down) in the disc tray, and then click **OK**.

Burning a label with Sonic Express Labeler

- 1 Click **Start**, **All Programs**, **Sonic RecordNow!**, and then click **Express Labeler**.



You can open the Express Labeler from within RecordNow! by clicking Label Disc.

- 2 Select the **Project** area, make sure that **Disc Label** is selected.

- 3 Click **Text**, and then enter text for the Title and Subtitle.
- 4 For each line of content description, click **New** and enter text for the information you want to include, and then click **OK**.
- 5 Select a label template by clicking **Layout** and choosing a layout.

- 6 Select a background, if desired, by clicking **Background**. Select one of the provided backgrounds, or click **More** to find one of your own images to use as a background.



LightScribe creates a grayscale (monochrome) image similar to a black and white photograph.

- 7 When you are satisfied with the appearance of your label, insert the LightScribe media disc (label side down) into the disc drive tray, and then click **Print**.
- 8 From the Disc Label menu, select **LightScribe 12cm Disc**.
- 9 Select a Contrast Level, and then click **OK** to begin burning the label.

Creating a LightScribe label after burning a disc with iTunes

iTunes works with Sonic Express Labeler to allow you to burn labels on a data CD or audio CD. The playlist you create in iTunes to burn a disc is automatically imported into Express Labeler so that this information is available for you to use on your LightScribe label. To use Express Labeler from iTunes, the data or music tracks in the playlist you are using must fit on a single CD.

- 1 Click **Start, All Programs, iTunes**, and then click **iTunes** again.
- 2 Burn a data or audio CD with iTunes. When the burning process is complete, click **Yes** on the *Create LightScribe Label* window.
- 3 In the Step 1: Select Project area, make sure that **Disc Label** is selected.
- 4 Select a label template by clicking **Layout** and choosing a layout. The various layouts show different amounts of playlist information. Some show only the playlist title and others show the playlist title and track names. You can edit playlist information by clicking **Text** to open the Edit Text window.

- 5 Select a background, if desired, by clicking **Background**. Select one of the provided backgrounds or click **More** to find one of your own images to use as a background.



LightScribe creates a grayscale (monochrome) image similar to a black and white photograph.

- 6 When you are satisfied with the appearance of your label design, insert the LightScribe disc (label side down) into the disc drive tray and then click **Print**.

- 7 From the Disc Label menu, select **LightScribe 12cm Disc**.
- 8 Select a Contrast Level and then click **OK** to begin burning the label.

The estimated time to complete the label displays, along with a progress bar to show you the time remaining. You can continue to work on your HP Digital Entertainment Center while LightScribe is burning the label.

Using Compatibility Information

An important feature of a DVD Writer/CD Writer drive is its high level of compatibility with other optical drives and CD and DVD players:

- The CDs that you create play in most home and car stereos and in most computer DVD-ROM and CD-ROM drives.
- The DVDs that you create are compatible with some DVD video players and with most computer DVD-ROM drives.
- CD-R discs are more compatible with home and car stereos than CD-RW discs are.

Your DVD Writer/CD Writer drive is able to read from and record to almost every type of optical disc. Writing speed rates for the DVD Writer/CD Writer drive are fast, allowing quick recording times.

Understanding video recording lengths and video quality settings

Video quality setting	GB/Hour	Minutes* on a 4.7 GB DVD	Minutes* on a 8.5 GB DVD
Fair	1.2	170 minutes	300 minutes
Good	1.4	145 minutes	260 minutes
Better	2.0	100 minutes	185 minutes
Best	2.7	80 minutes	144 minutes

* Minutes listed are approximate and not exact.



CD-R discs are more compatible with home and car stereos than CD-RW discs.

Identifying Disc Feature and Compatibility

Disc	File type	Can be recorded onto	Plays in PC	Plays in home or car stereo	Plays in home DVD player
CD-ROM	Data	No	Yes	No	No
	Music	No	Yes	Yes	Varies by model
CD-R	Data	Yes	Yes	No	No
	MP3 music	Yes	Yes	Varies by model	Varies by model
CD-RW	Data	Yes	Yes	No	No
	MP3 music	Yes	Yes	Varies by model	Varies by model
DVD-ROM	Data	No	Yes	No	No
	DVD movie	No	Yes	No	Yes
DVD+R	Data	Yes	Yes	No	No
	DVD movie	Yes	Yes	No	Varies by model
Double-layer DVD+R	Data	Yes	Varies by model	No	Varies by model
	DVD movie	Yes	Varies by model	No	Varies by model
DVD+RW	Data	Yes	Yes	No	No
	DVD movie	Yes	Yes	No	Varies by model
VCD	DVD movie	No	Yes	No	Varies by model

NOTE: The HP Digital Entertainment Center comes with the Double-Layer DVD Writer. It supports single-layer and double-layer DVD media. Double-layer technology gives you greater capacity and allows you to store up to 8.5 GB* of data on double-layer DVD+R media.

Double-layer is a new technology. Double-layer media compatibility will vary widely with some home DVD players and DVD-ROM drives.

* 1 GB is defined as 1 billion bytes. 1 GB = 1 billion bytes when referring to hard disk drive capacity. Actual formatted capacity is less.

For the latest disc compatibility information for your HP Digital Entertainment Center, go to the HP Support Web site at: <http://www.hp.com/support>



Double-layer DVD technology is supported by select models only.



The InterVideo WinDVD Creator and RecordNow! recording programs support the double-layer technology.




Using the Optical Drive Quick Reference Table




Optical drive can	CD-ROM	CD-RW	DVD-ROM	DVD+RW/+R	Double-layer	Combo CD-RW/DVD
Read CDs, CD-Rs, and CD-RWs	Yes	Yes	Yes	Yes	Yes	Yes
Read DVDs	No	No	Yes	Yes	Yes	Yes
Read data on a CD	Yes	Yes	Yes	Yes	Yes	Yes
Play music	Yes	Yes	Yes	Yes	Yes	Yes
Record data or music to disc for storage or backup	No	Yes	No	Yes	Yes	Yes
View DVD movies	No	No	Yes	Yes	Yes	Yes
Record DVD movies	No	No	No	Yes	Yes	No
Play games	Yes	Yes	Yes	Yes	Yes	Yes



Using the Software Quick Reference Table

To open software programs you can use with various media and an optical drive, click **Start** on the taskbar, choose **All Programs**, select the program folder, and then click the program to open the software. Refer to the following table to determine the best programs for the tasks you want to do.

Your HP Digital Entertainment Center comes with the following software programs. This is not a complete list of included software. Use this table to find out the programs that record and play CDs, record data CDs, and import, edit, and record video CDs and DVDs. Some programs listed below may not be included with your model.

Software	With this program you can
<div>iTunes</div> <div></div>	<ul style="list-style-type: none">■ Play music CDs, MP3s, and other audio files.■ Record music files.■ Record a copy of an existing music or data CD to use on the HP Digital Entertainment Center.■ Organize digital files into a library for recording or listening.
<div>Windows Media Player</div> <div></div>	<ul style="list-style-type: none">■ Play music CDs, MP3s, and other audio files.■ Play DVD movies. (Windows Media Player can play DVDs only if another DVD player program, such as InterVideo WinDVD, is installed.)■ Play Windows Movie Maker files.■ Record music files.■ Organize digital files into a library for recording or listening.
<div>RealPlayer</div> <div></div>	<ul style="list-style-type: none">■ Play music CDs, MP3s, and other audio files.■ Play DVD movies. (RealPlayer can play DVDs only if another DVD player program, such as InterVideo WinDVD, is installed.)■ Play video CDs.■ Record music files.■ Organize digital files into a library for recording or listening.

Software	With this program you can
<p>Windows Movie Maker 2.0</p> 	<ul style="list-style-type: none"> ■ Import audio, video, and other media files from a videotape, an audiotape, a Web camera, or a television broadcast. ■ Record audio and video files to create a video project that becomes a Windows Media source file with a .wmv extension. ■ Edit and preview files. ■ Send a movie in an e-mail or upload it to a Web server. ■ Add music files (MP3). ■ Import audio files such as .mp3, .asf, or .wma; video files such as .wmv, .asf, .avi, or .mpg; or image files such as .jpg or .gif. ■ Create .avi and .wmv (Windows Media Video) files.
<p>InterVideo WinDVD</p> 	<ul style="list-style-type: none"> ■ Play DVD movies and video CDs (VCDs).
<p>RecordNow!</p> 	<ul style="list-style-type: none"> ■ Record data and music files. ■ Record a copy of an existing music or data CD to use on the HP Digital Entertainment Center. ■ Create customized music CDs from CDs in your collection, or from .wav, .mp3, or .wma files. These CDs can be played in your home or car stereo. ■ Copy and share data files. ■ Capture (copy) short video files.

Software	With this program you can
<p>InterVideo WinDVD Creator</p> 	<ul style="list-style-type: none"> ■ Capture digital and analog video files directly from a digital video (DV) camera, VCR, or other analog capture device. ■ Assemble movies by capturing video clips and scenes into a video project. ■ Edit your movies. Cut scenes and add music and sound effects, still images, text, video transitions, and voice-overs. ■ Preview movies during editing and before recording final files. ■ Create video files, export them to your hard disk drive or your digital video camera, and then play them on your HP Digital Entertainment Center. ■ Create video files, record them to DVDs and CDs, and then play them on some set-top DVD players. ■ Record video files to 7 different formats.
<p>muvee autoProducer</p> 	<ul style="list-style-type: none"> ■ Add your own style to your movies with music, pictures, titles, scene transitions, and captions. ■ Edit your home movies.



You may have a software update CD included with your HP Digital Entertainment Center. You may need to install this CD before using the DVD Writer/CD Writer drive. To do this, follow the installation instructions that came with the CD.



The muvee autoProducer video editing program is for select models only.



Video files recorded with RecordNow! can be viewed on your HP Digital Entertainment Center but not on home DVD video players.

Creating Movies Using WinDVD Creator

Your HP Digital Entertainment Center comes with one or two movie making programs, depending on your model. Both programs capture video, edit video, and help you add your own personal touch to your movies. You can capture, edit, and record your home movies in a few easy steps by using the InterVideo WinDVD Creator program located in your All Programs folder on your desktop. You can also use the muvee autoProducer program (select models only) to personalize your video files from within Media Center by using your remote control. See “Using muvee autoProducer” on page 111.

Both programs allow you to edit your video files and save your files to your hard disk drive. You need to use InterVideo WinDVD Creator to record your video file to a disc. If you use muvee autoProducer to create your video file, you can use WinDVD Creator to record it to disc.



You can use InterVideo WinDVD Creator to record your video files to disc.

Using WinDVD Creator



InterVideo WinDVD Creator allows you to capture (copy), edit, and record your home movies in four easy steps.

Capture: Take videos and pictures from digital camcorders, analog video devices, and Web cameras, and then save them to your hard disk drive.

Edit: Arrange and trim your files. Add titles, transition effects, images, and audio.

Add Menu: Add a menu with chapters to your DVD.

Make Movie: Finalize your project by burning your movie to a DVD.

For more information about WinDVD Creator, click the **Help** menu in the WinDVD Creator menu bar.

Getting started

1 Using the trackball, click **Start**, choose **All Programs, InterVideo WinDVD, InterVideo WinDVD Creator**, and then click **InterVideo WinDVD Creator** again.

2 Select one of the menu options:

- **Start New Project:** Opens the Edit section for you to begin creating a new project.
- **Open Existing Project:** Opens the Open window for you to select an existing project.
- **Archive Video to DVD:** Opens a wizard for you to bypass the hard disk drive and record directly from your camera to a recordable DVD or CD.
- **Edit Existing Video File:** Opens the Import Media Files window for you to select an existing video clip.
- **Record to Video File:** Opens the Capture section for you to capture media.
- **CD Labeling:** Opens the InterVideo Disc Label program for you to design and create your own disc labels.

Identifying requirements for capturing video

You can capture (copy) video files to your hard disk drive by using the WinDVD Creator program. Among the devices supported by WinDVD Creator are analog video devices, digital camcorders, and Web cameras. Use your composite or S-video inputs to capture video from a VCR or an analog video camera.

To capture video files, you need to:

- 1** Connect your video source device properly.
- 2** Turn your device on and set it to playback mode.
- 3** Make sure WinDVD Creator can detect your digital or analog device.

4 If your HP Digital Entertainment Center has multiple video devices connected, they all appear on the Capture screen. You must select the video source you would like to use:

- a** In the WinDVD Creator Capture screen, click your input source.
- b** Click the **Wrench** icon.
- c** Select **Device Control** tab, and then select your video source from the **Video Source** drop-down menu.



You may need to turn your digital video device off and on again for the program to detect it.

Capturing digital camcorder video

- 1 Using the trackball, click **Start**, choose **All Programs, InterVideo WinDVD, InterVideo WinDVD Creator**, and then click **InterVideo WinDVD Creator** again.
 - 2 Click the **Record to Video File** button.
 - 3 Connect your digital camcorder to your HP Digital Entertainment Center.
 - 4 Make sure the output from your digital camcorder appears in the Preview window. If it does not, double-check your connections and make sure your camera is in playback mode.
 - 5 Click the **Play** button to preview your video file before you record it.
 - 6 Find your starting point in the video, and click the **Pause** button.
 - 7 Click the **Record** button.
 - 8 Enter a file name, click **Save**, and recording begins.
 - 9 Click the **Stop** button to stop capturing your video file. Your video file is processed and automatically saved to the My Videos folder on your hard disk drive. The video clip appears in the Media Library portion of the screen.
 - 10 To play back your captured video, click the file in the Media Library, and click the **Play** button in the Preview window.
-

Capturing Web camera video

- 1 Using the trackball, click **Start**, choose **All Programs, InterVideo WinDVD, InterVideo WinDVD Creator**, and then click **InterVideo WinDVD Creator** again.
 - 2 Click the **Record to Video File** button.
 - 3 Connect your Web camera to your HP Digital Entertainment Center.
 - 4 Make sure the output from your Web camera appears in the Preview window. If it does not, double-check your connections.
 - 5 Click the **Record** button.
 - 6 Enter a file name, click **Save**, and recording begins.
 - 7 Click the **Stop** button to stop capturing your video file. Your video file is processed and automatically saved to the My Videos folder on your hard disk drive. The video clip appears in the Media Library portion of the screen.
 - 8 To play back your captured video, click the file in the Media Library, and click the **Play** button in the Preview window.
-

Capturing analog video

- 1 Click **Start**, choose **All Programs**, **InterVideo WinDVD**, **InterVideo WinDVD Creator**, and then click **InterVideo WinDVD Creator** again.
 - 2 Click the **Record to Video File** button.
 - 3 Connect your VCR, television, or other input device to your composite or S-video inputs.
 - 4 Click your input source, click the **Wrench** icon and select the Device Control tab.
 - 5 Select your composite or S-video source in the Video Source drop-down menu. Click **OK**.
 - 6 Click the **Record** button.
 - 7 Enter a file name, click **Save**, and recording begins.
 - 8 Click the **Stop** button to stop capturing your video file. Your video file is processed and automatically saved to the My Videos folder on your hard disk drive. The video clip appears in the Media Library portion of the screen.
 - 9 To play back your captured video, click the file in the Media Library, and click the **Play** button in the Preview window.
-

Capturing a still image

- 1 Pause your input device on the position for which you would like an image.
 - 2 Click the **Capture Still Image** button under the Preview window.
 - 3 The image is saved to the My Pictures folder on your hard disk drive.
-

Using the Preview window

The Preview window is located in the upper-left corner and behaves differently for each task.

Capture: Displays what your capture device is viewing.

Edit: Plays back the selected video or displays the selected image.

Add Menu: Displays what your menu and buttons look like.

Using the Media Library

The Media Library contains your video clips, images, and audio tracks. To import existing media files from your hard disk or CDs into the Media Library, click the **Drag and Drop** button.

Capture: Located in bottom right corner. Contains your video clips, images, and audio tracks.

Edit: Located in upper-right corner. Contains your video clips, images, and audio tracks.

Add Menu: Located in upper-right corner. Contains menu themes, video backgrounds, audio tracks, images, buttons, chapter layouts, and chapter thumbnails.

Using the Storyboard

Located on the bottom of the Edit and Add Menu area, the Storyboard can be displayed in either Menu Picker or Timeline mode. Use the Storyboard to organize your media and add special effects such as titles, transition effects, audio tracks, and video filters.

Editing video files

After you capture video files, use the WinDVD Creator Edit module to create your customized video file. In the edit mode you can add:

- Video files
- Still images
- Audio and music tracks
- Transition effects
- Video filters
- Title effects

To edit your video files:

- 1 If your project is already open, click the **Edit** button and skip to step 4.
- 2 Click **Start**, choose **All Programs, InterVideo WinDVD, InterVideo WinDVD Creator**, and then click **InterVideo WinDVD Creator** again.
- 3 Open a project by selecting either the **Start New Project** or the **Open Existing Project** button.
- 4 If you have already captured video for this project, drag and drop the video files from the Media Library to the Storyboard. If you have video files on your hard disk drive you would like to add to this project, click the **Drag and Drop** button.
- 5 If you do not like the sequence of the video files, drag and drop the files in the Storyboard to change the sequence.

Adding images

- 1 Click the **Image Library** icon.
- 2 Click the **Drag and Drop** button to open the My Pictures folder on your hard disk drive.
- 3 Select the images from your hard disk drive you would like to add to your Image Library, and click **Open**.



- 4 Drag and drop images from the Image Library to your Storyboard.

Now you can edit still images and video files. See the following table.

Storyboard icons	
Group	Groups multiple images into one on the Storyboard.
Expand	Expands grouped images so they are all displayed on the Storyboard.
Save Movie	Records output directly to a DV camcorder or writes output to a file in your selected format.
Edit Clip	Trims a video clip: <ol style="list-style-type: none">1 Double-click a video clip on the Storyboard.2 Adjust the sliders to cut off video at the beginning or the end.
Merge Clip	Merges a clip with the next clip.
Split Clip	Splits a video clip: <ol style="list-style-type: none">1 Click the video clip you want to split.2 Click the Play button in the Preview window.3 Click the Split Clip icon at the point of the clip you want split.

Adding audio effects

- 1 Click the **Audio Library** icon.
- 2 Click the **Drag and Drop** button to open the My Music folder on your hard disk drive.
- 3 Select the audio files from your hard disk drive you want to add to your audio library, and click **Open**.
- 4 Drag and drop the audio files from the Audio Library to the video file of your choice.
- 5 A musical note icon appears in the bottom right corner of the video file to which the audio track was assigned.
- 6 To keep the audio track running for more than one video file, switch from Storyboard mode to Timeline mode. Drag the music track across more than one video file.



Adding transition effects

- 1 Click the **Transition Effects** icon.
- 2 Drag and drop a transition effect between the two video files where you would like the effect to appear.



Adding title effects

- 1 Click the **Title Effects** icon.
- 2 Drag and drop a title effect either between video files or to a video file on the Storyboard.
- 3 Type the text you would like to appear on your title screen.
- 4 If you inserted the title effect between video clips, click the **Image Setting** icon to adjust the length of time you want the title clip to appear.



A capital T appears in the bottom-right corner of the title clip on the Storyboard.

Adding video filters

- 1 Click the **Video Filters** icon.



- 2 Drag and drop a video filter to the video of your choice.

Authoring your DVD

The Add Menu section makes your project interactive by creating a menu theme and by breaking it into chapters. The menu theme can be your own images and music or a custom theme that comes with WinDVD Creator.

- 1 If your project is already open, click the **Add Menu** button.
- 2 Click **Start**, choose **All Programs, InterVideo WinDVD, InterVideo WinDVD Creator**, and then click **InterVideo WinDVD Creator** again.
- 3 Select the **Open existing project** button, and then select your project.
- 4 Click the **Add Menu** button.
- 5 Click the Media Library icons to add a menu theme, chapters, buttons, audio tracks, and images to your DVD.
- 6 Click the Storyboard icons to edit the chapters and menu items.

Making a movie

This is the final step of your DVD project. You select a format, the type of TV system, and volume name.

- 1 If your project is already open, click the **Make Movie** button and skip to step 5.
- 2 Click **Start**, choose **All Programs, InterVideo WinDVD, InterVideo WinDVD Creator**, and then click **InterVideo WinDVD Creator** again.
- 3 Select the **Open existing project** button, and then select your project.
- 4 Click the **Make Movie** button.
- 5 Insert a blank recordable DVD or CD into your drive.

- 6 Choose one from each of the following sections (order of selections may differ).

Select	Function
Burn to Disc	Use this to burn directly to a DVD or CD.
Write content to hard disk for later burning	Use this to create the file on your hard disk drive.
Select Device	Select the device that contains the blank recordable DVD or CD.
Burning Speed	Select the speed to use when recording your project.
Format	Select one of the formats to record your project.
TV System	Select between NTSC and PAL for your TV system. The NTSC format is used in North America, and the PAL format is used in European and Asian countries/regions.
Volume Name of Disc	Enter a Volume name for your disc (optional).

- 7 Click **Start**.

- 8 Click **OK**.

Recording VHS files direct to DVD

To record VHS or other video files directly to DVDs:

- 1 Connect your VCR or other analog video source to your computer. See "Capturing analog video" on page 104 for more information about capturing analog video.
- 2 Click **Start**, choose **All Programs**, **InterVideo WinDVD**, **InterVideo WinDVD Creator**, and then click **InterVideo WinDVD Creator** again.
- 3 Select the **Archive Video to DVD** button and follow onscreen instructions.



IMPORTANT: HP supports the lawful use of technology and does not endorse or encourage the use of our products for purposes other than those permitted by copyright law.

Converting recorded TV to MPEG-2 format

- 1 If your project is already open, click the **Edit** button, and skip to step 4.
- 2 Using the trackball, click **Start**, choose **All Programs**, **InterVideo WinDVD**, **InterVideo WinDVD Creator**, and then click **InterVideo WinDVD Creator** again.
- 3 Open a project by selecting either the **Start New Project** or the **Open Existing Project** button.
- 4 Click the **Save Movie** icon, and select **Output to File**.
- 5 Select a **GQ**, **HQ**, **SP**, **LP**, or **EP** format, and click **OK**.
- 6 Enter a file name and click **Save**.

Creating Movies Using muvee autoProducer

Your HP Digital Entertainment Center comes with one or two movie making programs, depending on your model. Both programs capture video, edit video, and help you add your own personal touch to your movies. You can capture, edit, and record your home movies in a few easy steps by using the InterVideo WinDVD Creator program located in your All Programs folder on your desktop. See "Using WinDVD Creator" on page 101.

You can also use the muvee autoProducer program (select models only) to personalize your video files from within Media Center by using your remote control.

Both programs allow you to edit your video files and save your files to your hard disk drive. You need to use InterVideo WinDVD Creator to record your video file to a disc. If you use muvee autoProducer to create your video file, you can use WinDVD Creator to record it to disc. See "Recording a muvee autoProducer movie to disc with WinDVD Creator" on page 119.

Using muvee autoProducer

(Select models only)



Creating personalized and professional-looking video movies is simple with muvee autoProducer, a software program on your HP Digital Entertainment Center. You can


access muvee autoProducer in Media Center under More Programs.

The basic steps when using muvee autoProducer are:

- **Capture digital video:** Capture live or recorded video to your hard disk drive.
- **Add videos and pictures:** Select video and pictures files on your HP Digital Entertainment Center. You can also capture (copy) videos directly from a compatible DV camcorder.
- **Add music:** Select music files to add to your movie.
- **Select a style:** Apply a movie style for a different effect and picture transition.
- **Add captions:** Personalize your movie with opening titles and closing credits.
- **Make the movie:** Automatically analyze the videos, pictures, music, movie style, and captions you added to your movie and save your movie to your HP Digital Entertainment Center.

For more information about muvee autoProducer, click the **?** in the muvee autoProducer menu bar.

Getting started

- 1 Press the Media Center Start button  on the remote control to open Media Center.
 - 2 Select **More Programs**, and then select the **Make muvee** icon.
 - 3 Select one of the button options:
 - **capture DV:** Opens the Capture video from DV camcorder window for you to capture (copy) live video or recorded video.
 - **video/pictures:** Opens the Select Video window for you to select existing video files.
 - **music:** Opens the Add music files window for you to select existing music files.
 - **style:** Opens the Select Style window for you to select a style template for your movie.
 - **add captions:** Opens the Add Captions window for you to type in an opening title and closing credits for your movie.
 - **make muvee:** Opens the Make muvee window for you to set the duration of your movie and automatically create the movie.
 - **save muvee:** Opens the Save muvee window for you to save the finished movie to one of several formats.
-

Capturing video from a DV camcorder

You can capture (copy) digital video files to your hard disk drive by using muvee autoProducer with a compatible DV camcorder connected to a FireWire (IEEE 1394) port on your HP Digital Entertainment Center. You can capture video either live (known as camera mode) or recorded (known as VCR mode).

Captured video files are automatically added to your movie project. To remove the file from your movie project, select the video file in the list of captured DV videos and then click **Delete**.

When capturing video, it is important to be aware of the amount of free space available on your HP Digital Entertainment Center hard disk drive. Capturing video can use a large amount of disk space. The amount of free disk space displays on the Capture Video window in muvee autoProducer while you are capturing video.

Capturing live video from a DV camcorder

Capturing live video in camera mode allows you to create a video file without even having a tape in the camcorder.

To capture (copy) live video to your hard disk drive:

- 1 If your project is already open, click the **capture DV** button, and skip to step 4.
- 2 Click **Start**, choose **All Programs, muvee autoProducer**, and then click **muvee autoProducer** again.
- 3 Open a new project by selecting from the File menu either **New Project** or **Open Project**.
- 4 Connect your DV camcorder to the FireWire (IEEE 1394) port on your HP Digital Entertainment Center, and turn on the camcorder.
- 5 Set the camcorder to camera mode using the instructions in the manufacturer's documentation.
- 6 Click the **Start Capture** button to begin capturing the live footage directly to your hard disk drive.
- 7 Click the **Stop Capture** button to stop capturing.
- 8 Click the **Browse** button to be able to specify a file name and folder for the captured video file.

Capturing recorded video from a DV camcorder

For best results with muvee autoProducer, capture only video footage that you are most interested in using in your movie project.

To capture (copy) live video to your hard disk drive:

- 1 If your project is already open, click the **capture DV** button, and skip to step 4.
- 2 Click **Start**, choose **All Programs, muvee autoProducer**, and then click **muvee autoProducer** again.
- 3 Open a new project by selecting from the File menu either **New Project** or **Open Project**.
- 4 Connect your DV camcorder to the FireWire (IEEE 1394) port on your HP Digital Entertainment Center, and turn on the camcorder.
- 5 Set the camcorder to VCR mode using the instructions in the manufacturer's documentation.
- 6 Click the **Play** button on the screen to begin viewing the video.
- 7 Click **Start Capture** when you see the start of the video footage you want to use in your movie project.
- 8 Click **Stop Capture** to stop capturing.
- 9 Repeat steps 7 and 8 to capture additional sections of video footage.
- 10 Click the **Browse** button to be able to specify a file name and folder for the captured video file.

Selecting videos and pictures

It is easy to add video files and still images to your muvee production. The following formats are supported:

- Video — .dv, .avi, .mpeg-1, .mpeg-2
- Pictures — .bmp, .jpg, .jpeg, .gif

To add video and picture files:

- 1 If your project is already open, select the **video/pictures** button and skip to step 4.
- 2 Click **Start**, choose **All Programs, muvee autoProducer**, and then click **muvee autoProducer** again.
- 3 Open a project by selecting from the File menu either **New Project** or **Open Project**, and then click the **video/pictures** button.
- 4 Click **Add Video** to select existing video files on your hard disk drive, if desired for your movie.
- 5 Click **Add Picture** to select still image files on your hard disk drive, if desired for your movie.
- 6 Adjust the order of the videos and pictures by selecting and then dragging and dropping the file or by using the **Move Up** and **Move Down** buttons.
- 7 Click **OK** when you are finished adding videos and pictures to your movie project.



Select multiple video or picture files by pressing and holding Ctrl on your keyboard while selecting the files.

Selecting music

You can use .mp3, .wav, or .wma formatted music files in your movie project.

You can also choose whether to use the original sound track from your video, blend the sound track with your music selections, or just use the selected music files.

To add music for your movie:

- 1 If your project is already open, click the **music** button, and skip to step 4.
- 2 Click **Start**, choose **All Programs, muvee autoProducer**, and then click **muvee autoProducer** again.
- 3 Open a project by selecting from the File menu either **New Project** or **Open Project**, and then click the **music** button.
- 4 Click **Add Music** to select existing video files on your hard disk drive, if desired for your movie.

- 5 Adjust the order of the music by selecting and then dragging and dropping the file or by using the **Move Up** and **Move Down** buttons.
- 6 If a video file you are using features a sound track, use the Audio Mix slider to blend the sound track with your selected music files. The position of the slider determines how much of which music to use.
- 7 If you do not add any music files to your project, the original video sound track is automatically used.

- 8 Click **OK** when you are finished adding music to your movie project.



It is recommended to have at least twice the duration of video to the duration of music. For example, if you have 10 minutes of video, select 5 minutes of music.

Setting the style

The muvee autoProducer program comes with a set of style templates for setting the pace, scene transition effects, and caption fonts. The style you use also affects how muvee autoProducer combines the video, picture, and music files in your movie project to produce the final movie.

For example, using the Cinema style results in a movie that is moderately paced, color enhanced, and uses a wide-screen format.

To select a style:

- 1 If your project is already open, click the **style** button and skip to step 4.
- 2 Click **Start**, choose **All Programs, muvee autoProducer**, and then click **muvee autoProducer** again.
- 3 Open a project by selecting from the File menu either **New Project** or **Open Project**, and then click the **style** button.
- 4 Select a style from the drop-down list. A description of the style displays in the upper part of the window along with a sample movie.
- 5 Put a check mark in the Keep shots in sequence box to maintain the original sequence of your video footage. Leave this box blank to allow muvee autoProducer to arrange the scenes to fit the style selected.
- 6 Click **OK** to close this window.

Adding captions

You can personalize your movie project by adding an opening title and closing credits.

- 1 If your project is already open, click the **style** button and skip to step 4.
- 2 Click **Start**, choose **All Programs, muvee autoProducer**, and then click **mueve autoProducer** again.
- 3 Open a project by selecting from the File menu either **New Project** or **Open Project**, and then click the **style** button.
- 4 Type in the text you want to appear at the start of your movie in the box under **Opening titles**.
- 5 Type the text you want to appear at the end of your movie in the box under **Closing credits**.
- 6 To set your own fonts for the opening title and closing credit, remove the check from the *Let muvee autoProducer choose the fonts* check box.
- 7 Click the **Font** button next to the text you want to change.
- 8 Select the font, font size, color, and other text characteristics from the Font window.
- 9 Click **OK**.
- 10 Click **OK** to close the Add Captions window.



The video quality of the preview may not be as smooth as the final saved version of your movie.

Making the movie

After you have added at least one video or picture file to your movie project, you can have muvee autoProducer make the movie.

The muvee autoProducer program makes a movie by combining the video, picture, and music files you have selected, along with the style of movie, and puts together all of these pieces into a professional-looking movie with just a few steps.

To make a movie:

- 1 If your project is already open, click the **make muvee** button and skip to step 4.
- 2 Click **Start**, choose **All Programs, muvee autoProducer**, and then click **mueve autoProducer** again.
- 3 Open a project by selecting **Open Project** from the File menu, and then click the **make muvee** button.
- 4 Select the duration for your movie by clicking either **Automatic** to allow muvee autoProducer to set the duration or **Manual** to allow you to set the duration.

- 5 If you select **Manual**, you can adjust the duration of the movie with the slider or the arrow controls for minutes and seconds.
- 6 If you select **Manual** and the duration of your music is longer than the duration of video and pictures, place a check in the *Allow video segments to be repeated* check box so that video and pictures can be repeated. This allows you to use the full duration of your music files.
- 7 If you select **Manual** and the total duration of your video and picture files is longer than the duration of your music, place a check in the *Allow music clips to be repeated* check box so that music can be used over again to fill the duration of the movie.
- 8 Click **Continue** to start the process of creating your movie.

Previewing your movie

After making a movie you can preview the movie in the muvee autoProducer Preview window. Use the controls in the Preview window to play, pause, and stop the movie preview.

Each time you make a change to a movie project, you need to click the **make muvee** button again to add that change to your movie.

You can revise and preview the movie as often as you want to experiment with different styles and the content of the movie.

Saving the movie project

Once you are satisfied with the look of your movie project, you are ready to save it.

You can save the movie to a file on your hard disk drive or create a VCD or DVD disc.

- 1 Open your movie project, and click the **save muvee** button.
- 2 Choose a file type to save the movie to your hard disk drive:
 - **WMV-Small File**
 - **WMV-High Quality**
 - **MPEG1/VCD**
 - **MPEG2/DVD**

Or

Choose a format to save your movie to a disc:

- **VCD**
- **DVD**

Selecting video scenes with magicMoments

You can mark specific scenes in your video footage to include or leave out of your final movie with the magicMoments feature in muvee autoProducer.

Video footage left unmarked is still analyzed when you make the movie and may be included in the final version of the movie.

Using the magicMoment controls

The magicMoments window uses the following controls:



- The green thumbs-up button is for marking scenes that must be included in the movie.
- The red thumbs-down button is for marking scenes that must be left out of the movie.
- The gray thumb button is for undoing scenes that were marked with the thumbs-up or thumbs-down buttons.
- The arrow buttons are for navigating backward and forward through the video footage.

Using magicMoments to select video scenes

For best results with the production of your movie:

- Keep the total duration of magicMoments to less than 50 percent of the duration of your movie. It is recommended to select only a few scenes.
- Make sure magicMoments do not cross scenes. This can result in poor scene transition appearance.
- Keep each magicMoment to less than 10 seconds.

To select video scenes with magicMoments:

- 1 If your project is already open, select the **video/pictures** button and skip to step 5.
- 2 Click **Start**, choose **All Programs, muvee autoProducer**, and then click **muvee autoProducer** again.
- 3 Open a project by selecting from **Open Project**, from the File menu.
- 4 Select a video file, and then click **Open**.
- 5 Click the **video/pictures** button.
- 6 Select a video file in the Select Video/Pictures window, and then click the **magicMoments** button.
- 7 Click the **Play** button to start viewing the video and use the magicMoment controls to mark scenes to include and exclude.
- 8 Click **OK** when you finish marking scenes.
- 9 Click **OK** to close the Select Video/Pictures window.

Recording a muvee autoProducer movie to disc with WinDVD Creator

To create a VCD or DVD disc.

- 1** Using the trackball, click **Start**, choose **All Programs, InterVideo WinDVD, InterVideo WinDVD Creator**, and then click **InterVideo WinDVD Creator** again.
- 2** Select **Create CD/DVD with existing video file**.
- 3** Select your video file you created in muvee autoProducer, and then click **Open**.
- 4** Click the **Make Movie** tab, select **Burn to Disc**, and then select the arrow button to begin burning your movie to disc.
- 5** Follow the onscreen instructions.

Using an HP Personal Media Drive

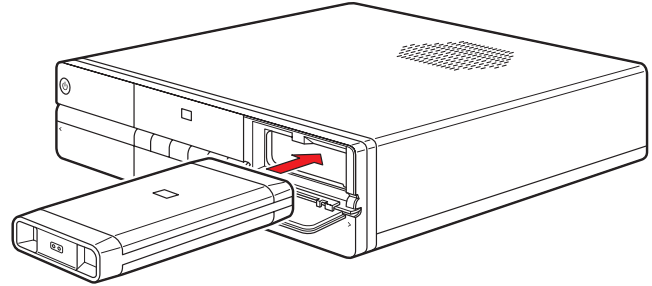
The HP Personal Media Drive is included with some HP Digital Entertainment Center models and it is sold separately. It can be used as an internal or external USB hard disk drive designed to quickly and easily increase your storage capacity and to transfer media files such as digital photos, music, videos, and other important files from one PC to another. You can also use the HP Personal Media Drive to back up other drives on your HP Digital Entertainment Center.

The HP Personal Media drive is designed to:

- Work with the HP Digital Entertainment Center and other PCs that have a USB port.
- Store large media files and personal files.
- Transfer files between PCs.
- Play media files.
- Back up your files.

For more information about using your HP Personal Media Drive with Media Center, refer to the documentation on the HP Support Web site at:

<http://www.hp.com/support>




The HP Personal Media Drive is included with some HP Digital Entertainment Center models and it is sold separately.

Setting Up the HP Personal Media Drive to Work with Media Center

When you complete this setup procedure, you are able to easily access content — such as music, photos, videos, and recorded TV programs — from customized folders on your HP Personal Media Drive.

Once you complete the HP PMD (Personal Media Drive) setup wizard, you can drag and drop your music, video, pictures, and recorded TV files from your primary hard disk drive to personalized folders in the HP Personal Media Drive for backup or storage. You can also use your remote control to access these files from within Media Center.

- 1 Press the Media Center Start button  on the remote control.
- 2 Use the arrow buttons on the remote control to select **More Programs**, and then press OK on the remote control.

- 3 Select **HP PMD Setup**, and then press OK on the remote control.
- 4 Follow the onscreen instructions to complete the setup wizard.
- 5 Restart the HP Digital Entertainment Center.



The HP PMD setup wizard in More Programs allows you to set up folders so that you can more easily access your media files with Media Center.

Locating the Drive After Installation

After you install the HP Personal Media Drive into the HP Digital Entertainment Center, you can find the drive in My Computer. The HP Digital Entertainment Center automatically assigns a drive letter which may change unless you assign a drive letter. See “Assigning a Drive Letter to the HP Personal Media Drive” on page 123.

- 1 Click **Start** on the taskbar.
- 2 Click **My Computer**.
- 3 Select your drive under *Hard Disk Drives*. The default name is HP Personal Media Drive.

Assigning a Drive Letter to the HP Personal Media Drive

You can permanently assign a drive letter to avoid the letter changing when you connect and disconnect this drive and other devices. Also, it is easier for a software program to locate files on the HP Personal Media Drive if a drive letter is assigned. Some programs may not be able to find files if the drive changes letters every time you connect it.

To assign a drive letter:

- 1 Click **Start**.
- 2 Right-click **My Computer**.
- 3 Select **Manage**, and then click **Disk Management**.

4 Right-click **HP Personal Media Drive**.

5 Select **Change Drive Letter and Paths**. HP recommends that you pick the drive letter **Z**.

6 Click **Change** and select a letter, and then apply the changes by clicking **OK**.



To avoid multiple hard disk drives using the same drive letter when connecting and removing the drives, assign the letter Z.

Viewing and Storing Files

The recommended way to transfer files to the HP Personal Media Drive is to drag them from your local hard disk drive to your HP Personal Media Drive.

If you want the files that are stored on your HP Personal Media Drive to appear in Media Center, you must drag them to the correct media folders, such as My Personal

Videos and My Personal Pictures on your HP Personal Media Drive. These media folders appear after you complete the PMD setup wizard. See "Setting Up the HP Personal Media Drive to Work with Media Center" on page 122.

Playing Media Files

You can play all kinds of media from an HP Personal Media Drive:

- 1 Click **Start** on the taskbar.
 - 2 Click **My Computer**.
 - 3 Double-click the **HP Personal Media Drive** icon to locate your media file.
 - 4 Double-click the file. Most media files open in Windows Media Player.
-

Playing Music Files

You can play all kinds of music stored on the HP Personal Media Drive. If you want the music files that are stored on your HP Personal Media Drive to appear in the Media Center My Music window, you must complete the PMD wizard in the More Programs area of Media Center. See "Setting Up the HP Personal Media Drive to Work with Media Center" on page 122.

When you disconnect the drive, your music files may still appear in the Windows Media Player Library and Media Center My Music window. To refresh your HP Digital Entertainment Center, open and close Windows Media Player or Media Center. If that doesn't work, restart the HP Digital Entertainment Center.

Viewing Picture Files

You can view your pictures stored on an HP Personal Media Drive. If you want the picture files that are stored on your HP Personal Media Drive to appear in the Media Center My Pictures window, you must complete the PMD wizard in the More Programs area of Media Center.

Playing Video Files

You can view your videos stored on an HP Personal Media Drive. If you want the video files that are stored on your HP Personal Media Drive to appear in the Media Center My Videos window, you must complete the PMD wizard in the More Programs area of Media Center. See "Setting Up the HP Personal Media Drive to Work with Media Center" on page 122.

When you disconnect the drive, your video files may still appear in the Media Center My Videos window. To refresh your HP Digital Entertainment Center, open and close Media Center.

Watching TV Programs Stored on the HP Personal Media Drive

To play back recorded TV files stored on your HP Personal Media Drive, you must:

- 1 Connect your HP Personal Media Drive to the HP Digital Entertainment Center with the power turned off.
- 2 Turn on the HP Digital Entertainment Center and open Media Center.
- 3 Click **Settings, TV, Recorder, Recorder storage**.
- 4 Under *Record on drive* select the **HP Personal Media Drive**, select **Save**, and then select **Yes**. A Recorded TV folder is created and placed in your HP Personal Media Drive. Recorded TV shows must be placed in this folder to access them with Media Center.
- 5 Under *Record on drive*, select your local hard disk drive, select **Save**, and then select **Yes**.
- 6 Move or copy your recorded TV programs to the Recorded TV folder on your HP Personal Media Drive. Now you can view your stored TV programs in Media Center, or you can double-click the file and view the show in Windows Media Player.
- 7 Close Media Center before disconnecting the drive.

When you connect your drive, stored TV files appear a few seconds after you open Media Center.



You need to close Media Center before removing or before connecting your HP Personal Media Drive for the stored TV files to update properly.

About Recording TV to the HP Personal Media Drive

The HP Digital Entertainment Center was set up to record TV shows to your local hard disk drive when using Media Center. It is possible to change the recording pathway to an HP Personal Media Drive, but several errors can occur if the drive is unexpectedly or improperly removed.

It is recommended that you record TV shows to your local hard disk drive and then copy the files over to your HP Personal Media Drive.

If you decide to change your recording path to the HP Personal Media Drive, consider the following:

- The TV recording path does not default back to your local hard disk drive after the HP Personal Media drive is disconnected. This means scheduled recordings may not be recorded. The recording error *Low Disk Space* may occur, and then your program will not be recorded. See "Changing Disk Allocation" on page 129 for more information about fixing this error.
- When the drive is disconnected, the disk allocation for Recorded TV shows reverts to 10%, and your recorded programs can be lost if you have selected the "Keep until space is needed" setting in My TV. See "Changing Disk Allocation" on page 129 for more information about changing the allocation.
- If you disconnect the drive while Live TV is active, a video error can occur.

- Recorded TV shows are not updated in Media Center when the drive is removed.
- The drive may be assigned a different drive letter which prevents Media Center from recognizing the recording path or the stored Recorded TV files.

When you set the TV recording pathway to your HP Personal Media Drive, Media Center stores the recording buffer data for pausing live TV on your drive. This means that if live TV is playing, you won't be able to remove the drive safely.

To avoid this scenario, change the recording pathway back to your local hard disk drive, and then restart the HP Digital Entertainment Center before disconnecting the HP Personal Media Drive.



- **HP recommends that you record TV programs directly to your local hard disk drive and then transfer the programs to the HP Personal Media Drive.**
- **If you have problems recording after you have changed the recording pathway, close Media Center and then open it, and then restart the HP Digital Entertainment Center.**

Recording TV programs to the HP Personal Media Drive

- 1 Change your recording pathway to your HP Personal Media Drive. See "Changing the TV recording path to the HP Personal Media Drive" on page 127.
- 2 Open Media Center.
- 3 Record TV programs. See "Recording TV from the Guide" on page 31. Your programs are recorded to the HP Personal Media Drive.
- 4 Before disconnecting the drive:
 - Make sure there are no scheduled recordings or recordings in progress to avoid losing data.
- 5 Change the recording pathway back to your local hard disk drive. See "Changing the TV recording path to the local hard disk drive" on page 128.
- 5 Close Media Center.
- 6 Restart your HP Digital Entertainment Center. You must perform this last step, or errors can result when recording to your drive.
- 7 Disconnect your HP Personal Media Drive safely. See "Disconnecting the HP Personal Media Drive Safely" on page 128.

Changing the TV recording path to the HP Personal Media Drive

If you decide to change your recording path to record directly to your HP Personal Media Drive, Media Center creates a Recorded TV folder on your drive.

- 1 Assign a drive letter to your HP Personal Media Drive. See "Assigning a Drive Letter to the HP Personal Media Drive" on page 123.
- 2 Open Media Center.
- 3 Select **Settings, TV, Recorder**, and then **Recorder storage**.
- 4 Under *Record on Drive*, select (+) to select the **HP Personal Media Drive**. You can also set the disk allocation and recording quality settings in this window.

HP recommends that you know the drive letter assigned and the storage amount of your HP Personal Media Drive.
- 5 Click **Save**, and then click **Yes**.
- 6 Close Media Center.
- 7 Restart the HP Digital Entertainment Center.

To change the TV recording path back to your local hard disk drive, follow this procedure and select your hard disk drive in step 4.



HP recommends that you record TV programs directly to your local hard disk drive and then transfer your recorded programs to the HP Personal Media Drive, if desired.

Changing the TV recording path to the local hard disk drive


To change the Media Center TV recording path to your local hard disk drive:

- 1 Open Media Center.
 - 2 Select **Settings, TV, Recorder**, and then **Recorder storage**. You can also set the disk allocation and recording quality settings in this window.
 - 3 Select your local hard disk drive (**C:**).
 - 4 Click **Save**, and then click **Yes**.
 - 5 Close Media Center.
 - 6 Restart the HP Digital Entertainment Center.
-

Disconnecting the HP Personal Media Drive Safely

You can safely remove the drive when it is not active. When the amber activity light is blinking, the drive is active, saving or transferring data. Removing the drive while the light is blinking may cause data loss or damaged files.

To disconnect your HP Personal Drive safely:

- 1 Close Media Center and all other programs that may be accessing your HP Personal Media Drive. Make sure the activity LED is off.
- 2 Double-click the **Safely Remove Hardware** icon in the system tray at the bottom of the desktop. If this icon is hidden, click the arrows on the taskbar to display it. The Safely Remove Hardware window opens. 
- 3 Double-click **USB Mass Storage Device** to locate your HP Personal Media Drive. USB Mass Storage Device may be listed twice. One may contain a memory card reader or other mass storage drives.
- 4 Select your device that is labeled *HP Personal Media Drive*, and then click **OK**. This name of the drive may appear as *Generic Volume* followed by the assigned drive letter. A *Safe to Remove Hardware* message appears in the system tray at the bottom of your desktop letting you know that your drive is safe to disconnect.
- 5 Click **Close**.
- 6 Disconnect the drive from the HP Digital Entertainment Center.

Changing Disk Allocation

If you experience a *Low Disk Space* error message, and you want to change the disk allocation to a higher percentage for your HP Personal Media Drive:

- 1 Open Media Center.
 - 2 Select **Settings, TV, Recorder**, and then select **Recorder storage**.
 - 3 Change the disk allocation percentage setting by selecting the (+) or (–) option.
-

Updating Recorded TV List after Removing the HP Personal Media Drive

If you want to update your Recorded TV list after removing the drive:

- 1 Close Media Center.
- 2 Open Media Center.
- 3 If this does not update the files, restart the HP Digital Entertainment Center.

System Requirements to View Recorded TV Programs on Other PCs

To play back recorded TV files (.dvr-ms files) that were recorded on your HP Digital Entertainment Center on another non-Media Center PC, the PC must have the following items installed:

- Windows XP operating system
- Windows XP Service Pack 1
- Windows Media Player 9 or later
- Software to play DVDs
- The audio and video codec file allows Windows Media Player to play recorded TV programs (.dvr-ms files). You can find this file in Windows Update. Click **Start**, choose **All Programs**, and then click **Windows Update**. You can also go to the Windows Web site and search for this code file (Q810243).

If you want more information about this file you can go to the Microsoft Web site at:

<http://www.microsoft.com>



Some recorded TV programs with the broadcast flag turned on are copy protected and cannot be viewed on other PCs.

Index

A

- adding
 - CD tracks to the Music Library 45
 - images to video file in WinDVD Creator 106
 - music files to the Music Library
 - from the hard disk drive 44
- appendable disc 88
- archiving files 89
 - CD 89
 - DVD 89
- authoring your DVD 108

B

- burning CDs and DVDs 83
- buttons
 - remote control 14

C

- capturing
 - capture card 104
 - video and image 101
- capturing video
 - digital camcorder video 103
 - requirements 102
- CD
 - creating a music CD in My Music 51
 - playing in My Music 48
- copying pictures to CD 72
- creating
 - CDs 83
 - Music Library 44
- creating music CDs
 - to play in your car and home 85
 - to play on your PC 85

D

- desktop
 - switching from Media Center 7
- disc
 - feature and compatibility 96
- disc and drive compatibility
 - information 95

- disc labels 91
- DVD movies
 - changing
 - audio settings 78
 - language 78
 - creating 101, 111
 - playing
 - in Media Center 77

E

- edit
 - video files 105
- editing pictures 70
- error messages 8
 - common recording errors 34
 - Image cannot be displayed 61, 69
 - Low Disk Space 126, 129

F

- FM radio, see radio

G

- Guide, see Television Program Guide

H

- HP Image Zone Plus 54
- HP Personal Media Drive 121
- HP Tunes
 - creating a queue list 42
 - playing CDs 41
 - using iTunes with Media Center 35, 36

I

- image files 90
 - adding 106
- Internet radio 79
- InterVideo WinDVD Creator
 - see WinDVD Creator 101, 111
- iTunes 42
 - adding music from a CD 39
 - adding music from the Internet 39
 - adding music from your hard disk drive 40
 - adding music to library 38

- changing music information 40
- creating a playlist 41
- creating music CDs 42
- features 98
- supported file types 40

L

- LightScribe
 - backup disc 63
 - creating a label for an iTunes disc 94
 - disc labeling 92

M

- Media Center
 - navigating 6
 - playing DVDs 77
 - resizing window 7
 - Start menu 5
 - toolbars 7
 - using with another program open 7
 - viewing your pictures 67
- Media Center, what you can do
 - in My Music 35
 - in My Pictures 54
 - in My TV 17
 - in My Videos 73
 - in Radio 79
- memory card reader 54
- music
 - about burning a music CD 86
 - burning CD 42
- Music Library
 - adding CD tracks 45
 - creating 44
- muvee autoProducer
 - adding music to your movie 114
 - adding videos to your movie 114
 - copying a movie to disc 119
 - features 100
 - getting started 112
 - making a movie 116
 - setting the style 115

- using 111

- My Music 35
 - copying music to CD 51
 - creating a queue list 49
 - deleting music from the My Music library 46
 - finding and playing an album 49
 - playing a song 48
 - playing an album 48, 49
 - playing music 47
 - playing songs chosen randomly by Media Center 48
 - supported file types 46

- My Pictures 53
 - editing pictures 70
 - printing pictures 70
 - rotating pictures 71
 - turning captions on or off 67
 - types of files it can display 61, 69
 - viewing a slide show with music 60, 68
 - viewing pictures 67
 - viewing pictures as a slide show 68

- My TV 17
 - advanced recording options 31
 - icons 30
 - manually downloading the Guide 25, 26, 27
 - play recorded TV programs 34
 - recording TV from the Guide 31
 - recording TV manually 31
 - recording TV programs 30
 - searching for TV programs 28
 - sorting shows 34
 - Television Program Guide errors 23
 - time shifting 20
 - using the remote control 20
 - watching TV programs 19

- My Videos 73
 - organizing and storing videos 74
 - playing digital videos 74
 - sorting videos 75, 76

O

- optical drive quick reference 97
- organizing
 - pre-set radio stations 81

P

- pictures
 - copying to CDs and DVDs 72
 - editing 70
 - printing 70
 - rotating 71
- playing
 - digital music files 47
 - digital videos 74
 - DVDs in Media Center 77
 - music CDs in Media Center 47
 - songs in My Music 48
- playing song
 - Buy Music option 49
 - Visualize option 49
- playlist
 - creating in iTunes 41
 - creating in My Music 50
- Program Guide, see Television Program Guide

Q

- queue list
 - creating in HP Tunes 42
 - creating in My Music 49

R

- radio
 - connecting antenna to PC 79
 - getting reception 79
- Radio window 79
 - organizing pre-set radio stations 81
 - playing FM stations 79
 - playing radio in Media Center 79
 - recording radio programs 81
- RealOne Player
 - features 98
- recorded TV 34
- recording

DVDs 101, 111

options in My TV 31

radio programs 81

TV shows 30

how to stop recording 30

recording TV from the Guide 31

recording TV shows

making sure a show is being recorded 30

manually 31

single shows or series, canceling 30

using the Guide 31

when two scheduled for same time 31

recording VHS files direct to DVD 110

RecordNow! 83, 101, 111

archiving files 89

creating music CD to play on your PC 85

creating music CDs 84

for car and home CD players 85

image files 90

storing files on a DVD or CD 87

remote control

buttons 14, 15

using in My TV 21

rotating pictures 71

S

searching for programs 28

settings

background color 9

calibration settings 9

for phone call notification 9

for sound 9

general 9

Internet connections 9

parental controls 9

remote control and remote sensor 9

Shared Video folder 73

slide show

displaying information about pictures 68

viewing pictures 68

viewing with music 68

sorting TV shows

- by category 34
- by date 34
- by name 34
- Start menu
 - Media Center 3
- storing files
 - about storing data files 88
 - using RecordNow! 87

T

- Teletext buttons, using 16
- Television Program Guide
 - filter categories 24
 - no data available 23
 - recording TV programs 31
 - searching for TV programs 28
 - setting up a download method 25
 - using the More information button 24
 - viewing 24
- troubleshooting
 - image not displayed in My Pictures 61, 69
 - radio reception 80
 - unable to get correct Television Program Guide 8
- TV
 - searching for shows by category 29
 - time shifting 20
 - using digital video recorder while watching 20
 - watching 18
- TV shows
 - copying to CDs or DVDs 101, 111
 - not recorded 34

V

- video
 - capturing 103
- video editing
 - getting started with muvee autoProducer 112
- video files
 - recording 91
- video movies
 - sorting 75, 76

W

- Windows Media Player
 - features 98
 - setting as default player 40, 46
 - types of files 40, 46
- Windows Movie Maker 2.0
 - features 99
- WinDVD Creator
 - adding audio effects 107
 - adding images 106
 - adding title effects 107
 - adding transition effects 107
 - Authoring your DVD 108
 - capturing analog video 104
 - capturing digital camcorder video 103
 - capturing videos and pictures 101
 - edit 101
 - editing video files 105
 - features 100
 - getting started 102
 - help 101
 - making a movie 108
 - Media Library 105
 - Preview window 104
 - recording VHS files directly to DVD 110
 - Storyboard 105
 - using the Media Library 105
- WinDVD player
 - features 99

Part Number: 5991-2368